

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	15.41
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2017 - 5/16/2017			
DWR Inspector	Dave Torres			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>53</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0999_01_s_2013_53				
Comment Code					
Inspector Comment					
The LMA has copy of the O & M manual on file.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>54</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0999_01_s_2013_54				
Comment Code					
Inspector Comment					
The LMA has adequate floodfight supplies and equipment on hand.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>55</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0999_01_s_2013_55				
Comment Code					
Inspector Comment					
The LMA is prepared for responding to floods and has received training.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 0999 Netherlands

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	0.12	Rating **	U	Issue No.	1
LM End	0.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.503346°	38.499389°
				-121.582116°	-121.581933°
DWR ID	DWR_RD0999_01_s_2012_1				
Comment Code					
MA : Material					
Inspector Comment					
Landfill has been in place for several years. Landowner is hauling additional material on waterward berm.					

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	WS

Photo 1 of 5 : SP\_2017\_RD0999\_232\_1\_20170314\_00001.jpg



Looking west at filled on waterward berm (spring 2016)

Photo 2 of 5 : SP\_2017\_RD0999\_232\_1\_20170314\_00002.jpg



Looking west at filled on waterward berm. (spring 2016)

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	WS

Photo 3 of 5 : SP\_2017\_RD0999\_232\_1\_20170314\_00003.jpg



Looking west at the end of new fill on waterward berm fall 2015.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	0.12	Rating **	U	Issue No.	1 (cont)	
LM End	0.39	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.503346 °	38.499389 °	
				-121.582116 °	-121.581933 °	
DWR ID	DWR_RD0999_01_s_2012_1					
Comment Code						
MA : Material						
Inspector Comment						
Landfill has been in place for several years. Landowner is hauling additional material on waterward berm.						

Photo 4 of 5 : SP\_2017\_RD0999\_232\_1\_20170314\_00004.jpg



Looking west at new fill on waterward berm fall 2015.

LM Start	<b>0.12</b>	Rating **	U	Issue No.	<b>1 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	En	Location *	WS

Photo 5 of 5 : SP\_2017\_RD0999\_232\_1\_20170314\_00005.jpg



Looking west at new material on waterward berm.

LM Start	0.27	Rating **	M	Issue No.	3
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.501113 °	38.501113 °
				-121.581975 °	-121.581975 °
DWR ID	DWR_RD0999_01_s_2012_3				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.33	Rating **	C	Issue No.	65
LM End	1.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.485772 °	38.485772 °
				-121.581182 °	-121.581182 °
DWR ID	DWR_RD0999_01_s_2016_65				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage and prunings on waterward shoulder.					

No Photos

LM Start	1.71	Rating **	M	Issue No.	37
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.480308 °	38.479740 °
				-121.580876 °	-121.580842 °
DWR ID	DWR_RD0999_01_f_2016_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.73	Rating **	U	Issue No.	919
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °
				-121.580844 °	-121.580844 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50092  
DS\_ID:22743  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP)  
06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 30-inch steel pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off of the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966 (LM 1.73)].  
FS Date: 7/7/2016

LM Start	<b>1.73</b>	Rating **	U	Issue No.	<b>919 (cont)</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_50092\_25191.jpg



Pipe open on WS slope

Photo 2 of 3 : UCIP\_SP\_2017\_50092\_25190.jpg



Pump platform visible off LS toe, but no appurtances remain.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.73	Rating **	U	Issue No.	919 (cont)	
LM End	1.73	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.480097 °	38.480097 °	
				-121.580844 °	-121.580844 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50092 DS_ID:22743 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 Condition largely unchanged from previous inspection. Pipe open on the WS, waterward of the siphon breaker. Dense vegetation and steep slope limited inspection of WS outlet into Ship Channel. (T. Hatch/UCIP) 06/25/2013 Pipe abandoned and open on WS slope. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel pipe through the levee, 6.5 feet below the crown. Pump on a platform in the canal off of the landside (LS) toe, not found. Flap gate on the waterside (WS), not found. Siphon breaker and an air vent on the WS shoulder. 1-inch galvanized iron filler pipe visible on the WS shoulder along same alignment. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 (Revised), October 1966 (LM 1.73)]. FS Date: 7/7/2016						

Photo 3 of 3 : UCIP\_SP\_2017\_50092\_25189.jpg



Pump platform visible off LS toe, but no appurtenances remain.

LM Start	1.73	Rating **	M	Issue No.	4
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.480082 °	38.479788 °
				-121.580930 °	-121.580918 °
DWR ID	DWR_RD0999_01_s_2012_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_4\_20170314\_00011.jpg



Looking northwest at trimmed trees on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.73	Rating **	M	Issue No.	4 (cont)	
LM End	1.75	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.480082 °		38.479788 °
				-121.580930 °		-121.580918 °
DWR ID	DWR_RD0999_01_s_2012_4					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_4\_20170314\_00012.jpg



Looking southwest at trimmed trees on waterward slope.

LM Start	1.73	Rating **	C	Issue No.	66
LM End	1.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.480009 °	38.480009 °
				-121.580865 °	-121.580865 °
DWR ID	DWR_RD0999_01_s_2016_66				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on waterward slope.					

No Photos

LM Start	1.79	Rating **	U	Issue No.	30
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.479165 °	38.475463 °
				-121.580640 °	-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_30\_20170314\_00028.jpg



Looking southeast at dense trees on landward slope. (Fall 2016)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	1.79	Rating **	U	Issue No.	30 (cont)	
LM End	2.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.479165 °		38.475463 °
				-121.580640 °		-121.580722 °
DWR ID	DWR_RD0999_01_s_2012_30					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_30\_20170314\_00029.jpg



Looking southeast at dense trees on landward slope. (Spring 2016)

LM Start	2.09	Rating **	M	Issue No.	920
LM End	2.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.474783 °	38.474783 °
				-121.580428 °	-121.580428 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16324 DS_ID:23957 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 20-inch steel gasoline through the levee at an unknown depth. Gasline markers on both shoulders. (Permit No. 16311, 1996) FS Date: 6/25/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_16324\_27501.jpg



Gasline markers on WS shoulder with USAA paint on roadway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.13	Rating **	U	Issue No.	7 (cont)	
LM End	2.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.474258 °		38.474258 °
				-121.580528 °		-121.580528 °
DWR ID	DWR_RD0999_01_s_2012_7					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_7\_20170314\_00016.jpg



Looking south at untrimmed trees on waterward slope. (Spring 2016)

LM Start	2.13	Rating **	U	Issue No.	31
LM End	2.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.474200 °	38.474200 °
				-121.580480 °	-121.580480 °
DWR ID	DWR_RD0999_01_s_2012_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_31\_20170314\_00030.jpg



Looking north at untrimmed trees on landward slope. ( Fall 2016)

LM Start	<b>2.13</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>2.13</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_31\_20170314\_00031.jpg



Looking southeast at untrimmed trees on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.18	Rating **	M	Issue No.	8
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.473542 °	38.473417 °
				-121.580793 °	-121.580885 °
DWR ID	DWR_RD0999_01_s_2012_8				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_8\_20170314\_00017.jpg



Looking southwest at trimmed trees on waterside slope. (Spring 2012)

LM Start	2.51	Rating **	M	Issue No.	40
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.469048 °	38.469048 °
				-121.583075 °	-121.583075 °
DWR ID	DWR_RD0999_01_s_2012_40				
Comment Code					
MA : Material					
Inspector Comment					
Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00037.jpg



Looking south at trench along landward shoulder. (spring 2016)

LM Start	<b>2.51</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.51</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00038.jpg



Looking south at excavation on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	2.51	Rating **	M	Issue No.	40 (cont)	
LM End	2.51	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.469048 °		38.469048 °
				-121.583075 °		-121.583075 °
DWR ID	DWR_RD0999_01_s_2012_40					
Comment Code						
MA : Material						
Inspector Comment						
Excavation activity on landside shoulder. Hole is approximately 15ft x 12" x 15". Hole appears to be excavated by a backhoe.						

Photo 3 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00039.jpg



Looking south at close-up view of excavation on landside shoulder.

LM Start	<b>2.51</b>	Rating **	M	Issue No.	<b>40 (cont)</b>
LM End	<b>2.51</b>	Issue Type +	Ma	Location *	LS

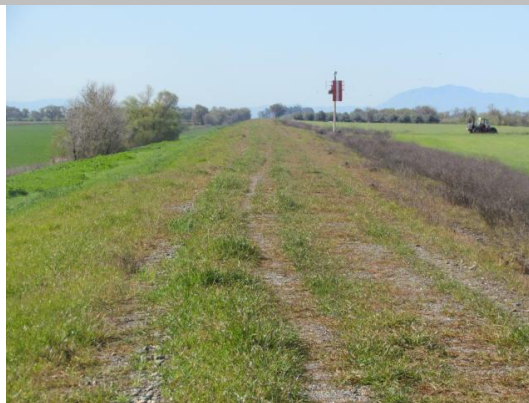
Photo 4 of 4 : SP\_2017\_RD0999\_232\_40\_20170314\_00040.jpg



Looking north at excavation on landside shoulder.

LM Start	2.53	Rating **	M	Issue No.	46
LM End	4.98	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.468801 °	38.435378 °
				-121.583189 °	-121.598664 °
DWR ID	DWR_RD0999_01_f_2013_46				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Control growth on levee crown and repair ruts on levee crown. And add appropriate gravel or road base.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_46\_20170314\_00047.jpg



Looking south at growth on levee crown.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	3.22	Rating **	M	Issue No.	51
LM End	3.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.459399 °	38.459399 °
				-121.587523 °	-121.587523 °
DWR ID	DWR_RD0999_01_s_2013_51				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Depression on landward shoulder and slope 40' x 20'. Earthen material appears to be sliding toward levee toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_51\_20170314\_00058.jpg



Looking northeast at depression on landward slope. (Fall 2016)

LM Start	<b>3.22</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>3.22</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_51\_20170314\_00059.jpg



Looking north at depression on landside shoulder and slope. (Spring 2016)

LM Start	3.30	Rating **	M	Issue No.	64
LM End	3.30	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.458346 °	38.458346 °
				-121.588008 °	-121.588008 °
DWR ID	DWR_RD0999_01_s_2014_64				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Discarded tree branches, limbs and power poles stockpile on waterward berm.					

Photo 1 of 3 : SP\_2017\_RD0999\_232\_64\_20170314\_00065.jpg



Looking west at pruning pile on waterward berm. (spring 2016)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	3.30	Rating **	M	Issue No.	64 (cont)	
LM End	3.30	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.458346 °		38.458346 °
				-121.588008 °		-121.588008 °
DWR ID	DWR_RD0999_01_s_2014_64					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Discarded tree branches, limbs and power poles stockpile on waterward berm.						

Photo 2 of 3 : SP\_2017\_RD0999\_232\_64\_20170314\_00066.jpg



Looking southwest at pruning on waterward berm.

LM Start	<b>3.30</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>3.30</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP\_2017\_RD0999\_232\_64\_20170314\_00067.jpg



Looking west at prunings on waterward berm.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	3.62	Rating **	M	Issue No.	6
LM End	3.64	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.454032 °	38.453680 °
				-121.590025 °	-121.590173 °
DWR ID	DWR_RD0999_01_s_2012_6				

**Comment Code**

S1 : Repair slope instability.

**Inspector Comment**

District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection small cracks and sloughing were seen re-appearing on landside shoulder and slope. Spring 2017 inspection additional sloughing has occurred. Area appears to have had raincoat during season. Crown area has a slope instability on landward side.

LM Start	<b>3.62</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ob	Location *	LS

Photo 1 of 3 : SP\_2017\_RD0999\_232\_6\_20170314\_00013.jpg



Looking north at sloughing on landside shoulder and slope.

Photo 2 of 3 : SP\_2017\_RD0999\_232\_6\_20170314\_00014.jpg



Looking north at cracking and sloughing on landside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	3.62	Rating **	M	Issue No.	6 (cont)	
LM End	3.64	Issue Type +	Ob	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.454032 °		38.453680 °
				-121.590025 °		-121.590173 °
DWR ID	DWR_RD0999_01_s_2012_6					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
District Manager (Bob Webber) indicated that the area has a history of cracking and sloughing. District plans to repair site this summer. District repaired site without notifying the Dept. No compaction results provided. Unclear how site was repaired. Need more information about repair from district. During the fall inspection small cracks and sloughing were seen re-appearing on landside shoulder and slope. Spring 2017 inspection additional sloughing has occurred. Area appears to have had raincoat during season. Crown area has a slope instability on landward side.						

Photo 3 of 3 : SP\_2017\_RD0999\_232\_6\_20170516\_00105.jpg



Looking south at sloughing on landside shoulder and slope (Spring 2017)

LM Start	4.07	Rating **	A/W	Issue No.	11
LM End	4.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.447772 °	38.447772 °
				-121.592912 °	-121.592912 °
DWR ID	DWR_RD0999_01_s_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.16	Rating **	N	Issue No.	14
LM End	4.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446619 °	38.446619 °
				-121.593442 °	-121.593442 °
DWR ID	DWR_RD0999_01_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.17	Rating **	N	Issue No.	15
LM End	4.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.446478 °	38.446478 °
				-121.593508 °	-121.593508 °
DWR ID	DWR_RD0999_01_s_2012_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.31	Rating **	M	Issue No.	35
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444561 °	38.444561 °
				-121.594438 °	-121.594438 °
DWR ID	DWR_RD0999_01_f_2012_35				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Depression is caused by vehicle traffic.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_35\_20170314\_00032.jpg



Looking southeast at slope damage cause by vehicle traffic on landward slope. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.31	Rating **	M	Issue No.	35 (cont)	
LM End	4.31	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.444561 °		38.444561 °
				-121.594438 °		-121.594438 °
DWR ID	DWR_RD0999_01_f_2012_35					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Depression is caused by vehicle traffic.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_35\_20170314\_00033.jpg



Looking southeast at slope damage cause by vehicle traffic on landward slope. (Spring 2015)

LM Start	4.31	Rating **	M	Issue No.	27
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.444560 °	38.444560 °
				-121.594440 °	-121.594440 °
DWR ID	DWR_RD0999_01_f_2012_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Local farmer causing slope damage by driving equipment and trucks on slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_27\_20170314\_00024.jpg



Looking at slope damage cause by vehicle traffic on waterward slope. (Fall 2016)

LM Start	<b>4.31</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>4.31</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_27\_20170314\_00025.jpg



Looking at slope damage cause by vehicle traffic on waterward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	4.57	Rating **	N	Issue No.	16
LM End	4.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.441063 °	38.441063 °
				-121.596038 °	-121.596038 °
DWR ID	DWR_RD0999_01_s_2012_16				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.59	Rating **	N	Issue No.	17
LM End	4.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.440748 °	38.440748 °
				-121.596187 °	-121.596187 °
DWR ID	DWR_RD0999_01_s_2012_17				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.83	Rating **	M	Issue No.	5
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.437506 °	38.437296 °
				-121.597707 °	-121.597803 °
DWR ID	DWR_RD0999_01_s_2016_5				
Comment Code					
Inspector Comment					
2006 - Slump failure of lower slope. Longitudinal cracks present along the levee slope. 2011 - Difficult to see due to overgrown vegetation. A small section of the levee has slumped. Sties DWS 5.0 and DWS 5.01 were combined. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: DWS_5-0_L]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	5.19	Rating **	U	Issue No.	59
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.432548 °	38.432434 °
				-121.600031 °	-121.600085 °
DWR ID	DWR_RD0999_01_s_2017_59				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Appears to be a rotational slip on landside.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_59\_20170516\_00106.jpg



View of rotation slip looking south (Spring 2017)

LM Start	6.45	Rating **	C	Issue No.	52
LM End	6.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415408 °	38.415408 °
				-121.608002 °	-121.608002 °
DWR ID	DWR_RD0999_01_s_2013_52				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree limbs on landside slope.					

No Photos

LM Start	6.56	Rating **	M	Issue No.	42
LM End	6.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.413858 °	38.413858 °
				-121.608638 °	-121.608638 °
DWR ID	DWR_RD0999_01_s_2012_42				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
More than five holes within 25' of levee.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_42\_20170314\_00043.jpg



Looking east at rodent holes on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	6.56	Rating **	M	Issue No.	42 (cont)	
LM End	6.56	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.413858 °	38.413858 °	
				-121.608638 °	-121.608638 °	
DWR ID	DWR_RD0999_01_s_2012_42					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
More than five holes within 25' of levee.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_42\_20170314\_00044.jpg



Looking at typical rodent hole on landside slope.

LM Start	6.56	Rating **	M	Issue No.	41
LM End	6.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413856 °	38.413475 °
				-121.608635 °	-121.608817 °
DWR ID	DWR_RD0999_01_s_2016_41				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning piles on landward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_41\_20170314\_00041.jpg



Looking east at prunings at landward toe and berm. (Fall 2016)

LM Start	<b>6.56</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>6.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_41\_20170314\_00042.jpg



Looking east at prunings on landward toe and berm. (Spring 2016)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	6.77	Rating **	M	Issue No.	22
LM End	9.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.411031 °	38.371621 °
				-121.609960 °	-121.628232 °
DWR ID	DWR_RD0999_01_s_2012_22				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Also control growth on levee crown.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_22\_20170314\_00019.jpg



Looking south at levee crown. (Spring 2016)

LM Start	<b>6.77</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>9.67</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2017\_RD0999\_232\_22\_20170314\_00020.jpg



Looking south at levee crown. (Spring 2015)

LM Start	7.61	Rating **	U	Issue No.	58
LM End	7.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.399600 °	38.399600 °
				-121.615224 °	-121.615224 °
DWR ID	DWR_RD0999_01_f_2016_58				
Comment Code					
Inspector Comment					
Depression 10' by 20' on landward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_58\_20170314\_00062.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	7.61	Rating **	U	Issue No.	58 (cont)	
LM End	7.61	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.399600 °	38.399600 °	
				-121.615224 °	-121.615224 °	
DWR ID	DWR_RD0999_01_f_2016_58					
Comment Code						
Inspector Comment						
Depression 10' by 20' on landward slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_58\_20170314\_00063.jpg



Looking northeast at depression on landward slope.

LM Start	8.24	Rating **	M	Issue No.	60
LM End	8.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.391062 °	38.386568 °
				-121.619210 °	-121.621360 °
DWR ID	DWR_RD0999_01_s_2017_60				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_60\_20170516\_00108.jpg



Looking south at new fence construction on waterside (Spring 2017)

LM Start	<b>8.24</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>8.57</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_60\_20170516\_00109.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Reclamation District No. 0999 Netherlands

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.34	Rating **	M	Issue No.	69 (cont)	
LM End	9.34	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.376094 °		38.376094 °
				-121.626178 °		-121.626178 °
DWR ID	DWR_RD0999_01_s_2016_69					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Rodent holes noted on levee crown, shoulder and landward slope						

Photo 2 of 3 : SP\_2017\_RD0999\_232\_69\_20170314\_00075.jpg



Looking at typical rodent hole on landward shoulder. (Fall 2016)

LM Start	<b>9.34</b>	Rating **	M	Issue No.	<b>69 (cont)</b>
LM End	<b>9.34</b>	Issue Type +	Ma	Location *	CR

Photo 3 of 3 : SP\_2017\_RD0999\_232\_69\_20170314\_00076.jpg



Looking at typical rodent hole on levee crown and slope. (Spring 2016)

LM Start	9.50	Rating **	U	Issue No.	63
LM End	9.50	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.373911 °	38.373911 °
				-121.627161 °	-121.627161 °
DWR ID	DWR_RD0999_01_s_2017_63				
Comment Code					
FE : Fence					
Inspector Comment					
Inaccessible					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_63\_20170516\_00110.jpg



View of fence (Spring 2017)

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.50	Rating **	M	Issue No.	921
LM End	9.50	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.373823 °	38.373823 °
				-121.627212 °	-121.627212 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24413 DS_ID:22750 EP_NO: 13300 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.0 feet below the crown. JP and meter at abandoned pump location on LS toe (Permit No. 13300, 1983). FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_24413\_43357.jpg



JP and meter at site of abandoned pump.

LM Start	<b>9.50</b>	Rating **	M	Issue No.	<b>921 (cont)</b>
LM End	<b>9.50</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_24413\_43356.jpg



Pipe open on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.50	Rating **	M	Issue No.	921 (cont)
LM End	9.50	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.373823 °	38.373823 °
				-121.627212 °	-121.627212 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24413 DS_ID:22750 EP_NO: 13300 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel pipe through the levee 3.0 feet below the crown. JP and meter at abandoned pump location on LS toe (Permit No. 13300, 1983). FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_24413\_43355.jpg



JP and meter at site of abandoned pump.

LM Start	9.51	Rating **	M	Issue No.	47
LM End	9.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.373740 °	38.373740 °
				-121.627257 °	-121.627257 °
DWR ID	DWR_RD0999_01_f_2015_47				
Comment Code					
PI : Pipe					
Inspector Comment					
Abandoned pipes at waterward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_47\_20170314\_00048.jpg



Looking southwest at abandoned irrigation pipes at waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.64	Rating **	M	Issue No.	56
LM End	9.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.372002 °	38.372002 °
				-121.628052 °	-121.628052 °
DWR ID	DWR_RD0999_01_f_2015_56				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner planted crops and installed poles and tool sheds on waterward berm without permit					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_56\_20170314\_00060.jpg



Looking at west at crop, poles and tool sheds on waterward berm.

LM Start	9.75	Rating **	M	Issue No.	20
LM End	9.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.370502 °	38.367903 °
				-121.628975 °	-121.630017 °
DWR ID	DWR_RD0999_01_s_2012_20				
Comment Code					
FE : Fence					
Inspector Comment					
Fence at landside shoulder.					

No Photos

LM Start	9.87	Rating **	M	Issue No.	26
LM End	9.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.368898 °	38.368898 °
				-121.629470 °	-121.629470 °
DWR ID	DWR_RD0999_01_s_2012_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees should be trimmed for visibility.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_26\_20170314\_00023.jpg



Looking northwest at dense trees on waterside slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.95	Rating **	U	Issue No.	2
LM End	9.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.367750 °	38.367750 °
				-121.630025 °	-121.630025 °
DWR ID	DWR_RD0999_01_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes on landward shoulder.					

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00006.jpg



Looking southeast at large rodent hole on landward shoulder. (Spring 2016)

Photo 2 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00007.jpg



Looking southeast at rodent holes on landward shoulder fall 2015.

Photo 3 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00008.jpg



Looking northeast at rodent holes on landward shoulder fall 2015.

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	9.95	Rating **	U	Issue No.	2 (cont)	
LM End	9.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.367750 °		38.367750 °
				-121.630025 °		-121.630025 °
DWR ID	DWR_RD0999_01_s_2012_2					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Several large rodent holes on landward shoulder.						

LM Start	<b>9.95</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>9.95</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00009.jpg



Looking at typical rodent holes on landward shoulder. (Spring 2015)

Photo 5 of 5 : SP\_2017\_RD0999\_232\_2\_20170314\_00010.jpg



Looking south at rodent hole on landside shoulder. (Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

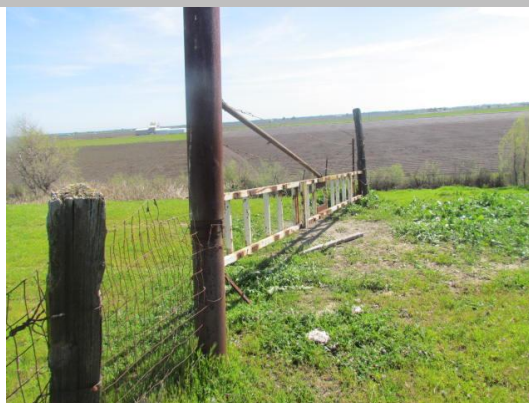
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.08	Rating **	M	Issue No.	922
LM End	10.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.366030 °	38.366030 °
				-121.630811 °	-121.630811 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24414					
DS_ID:22751					
EP_NO: 5541					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 10-inch pipe through the levee 2.0 feet below the crown (Permit No. 5541, 1967). Could not find 2/91. Electromagnetic survey indicates pipe at this location.					
FS Date: 6/25/2013					

No Photos

LM Start	10.21	Rating **	M	Issue No.	70
LM End	10.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.364229 °	38.364229 °
				-121.631673 °	-121.631673 °
DWR ID	DWR_RD0999_01_s_2016_70				
Comment Code					
Inspector Comment					
Gate drags difficult to open and close. Gate pole leaning.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00077.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.21	Rating **	M	Issue No.	70 (cont)	
LM End	10.21	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Repair Gates			38.364229 °		38.364229 °
				-121.631673 °		-121.631673 °
DWR ID	DWR_RD0999_01_s_2016_70					
Comment Code						
Inspector Comment						
Gate drags difficult to open and close. Gate pole leaning.						

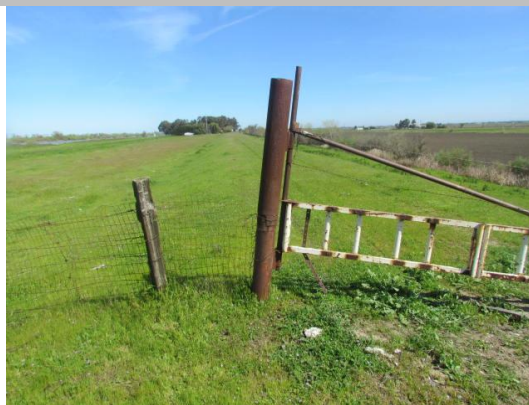
Photo 2 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00078.jpg



Looking south at fence pole.

LM Start	10.21	Rating **	M	Issue No.	70 (cont)
LM End	10.21	Issue Type +	Ma	Location *	CR

Photo 3 of 4 : SP\_2017\_RD0999\_232\_70\_20170314\_00079.jpg



LM Start	10.21	Rating **	M	Issue No.	70 (cont)
LM End	10.21	Issue Type +	Ma	Location *	CR

Photo 4 of 4 : SP\_2017\_RD0999\_232\_70\_20170516\_00111.jpg



Gate was difficult to open (Spring 2017)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.57	Rating **	M	Issue No.	28 (cont)	
LM End	10.57	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.359305 °		38.359305 °
				-121.633949 °		-121.633949 °
DWR ID	DWR_RD0999_01_s_2012_28					
Comment Code						
GA : Garbage						
Inspector Comment						
Large garbage and pruning piles on waterward berm.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_28\_20170314\_00027.jpg



Looking southwest at garbage on waterside toe and berm.

LM Start	10.75	Rating **	M	Issue No.	61
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.356844 °	38.356844 °
				-121.635101 °	-121.635101 °
DWR ID	DWR_RD0999_01_f_2014_61				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree on waterward slope					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_61\_20170314\_00064.jpg



Looking southwest at downed tree on waterward slope.

LM Start	<b>10.75</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>10.75</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_61\_20170516\_00112.jpg



Looking northwest at downed tree on waterside slope (Spring 2017)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	10.81	Rating **	M	Issue No.	23
LM End	11.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356077 °	38.352640 °
				-121.635598 °	-121.637078 °
DWR ID	DWR_RD0999_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_23\_20170314\_00021.jpg



Looking south at trimmed pine trees on waterside shoulder and slope. (Spring 2012)

LM Start	<b>10.81</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>11.06</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_23\_20170314\_00022.jpg



Pine trees along waterside shoulder &amp; slope. (Site of a old christmas tree farm). (Spring 2011)

LM Start	11.07	Rating **	C	Issue No.	67
LM End	11.07	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.352552 °	38.352552 °
				-121.637089 °	-121.637089 °
DWR ID	DWR_RD0999_01_s_2014_67				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning piles on waterward berm.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	11.28	Rating **	M	Issue No.	73
LM End	11.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.349616 °	38.345448 °
				-121.638435 °	-121.640394 °
DWR ID	DWR_RD0999_01_s_2017_73				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	11.30	Rating **	M	Issue No.	43
LM End	11.66	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.349380 °	38.344455 °
				-121.638540 °	-121.640845 °
DWR ID	DWR_RD0999_01_s_2012_43				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_43\_20170314\_00045.jpg



Looking north at growth on levee crown.

LM Start	11.63	Rating **	U	Issue No.	36
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.344815 °	38.339193 °
				-121.640697 °	-121.643017 °
DWR ID	DWR_RD0999_01_s_2017_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense weeds at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_232\_36\_20170516\_00113.jpg



Dense vegetation at landside levee toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	11.84	Rating **	M	Issue No.	48
LM End	11.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.342068 °	38.342068 °
				-121.641944 °	-121.641944 °
DWR ID	DWR_RD0999_01_f_2012_48				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicle traffic.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_48\_20170314\_00049.jpg



Looking southwest at slope damage caused by vehicle traffic. 2013

LM Start	<b>11.84</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>11.84</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_232\_48\_20170314\_00050.jpg



Looking southwest at slope damage caused by vehicle traffic on waterside slope.

LM Start	12.04	Rating **	M	Issue No.	74
LM End	12.20	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.339217 °	38.336962 °
				-121.642996 °	-121.643688 °
DWR ID	DWR_RD0999_01_s_2017_74				
Comment Code					
FE : Fence					
Inspector Comment					
New fence on waterside berm. Fence is out approximately 20 feet from toe of levee. A well is installed inside the fenced area.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_74\_20170516\_00114.jpg



New fence looking southwest (Spring 2017)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	12.04	Rating **	M	Issue No.	74 (cont)	
LM End	12.20	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.339217 °		38.336962 °
				-121.642996 °		-121.643688 °
DWR ID	DWR_RD0999_01_s_2017_74					
Comment Code						
FE : Fence						
Inspector Comment						
New fence on waterside berm. Fence is out approximately 20 feet from toe of levee. A well is installed inside the fenced area.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_74\_20170516\_00115.jpg



New fence looking west (Spring 2017)

LM Start	12.07	Rating **	C	Issue No.	19
LM End	12.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.338753 °	38.331138 °
				-121.643157 °	-121.644781 °
DWR ID	DWR_RD0999_01_f_2014_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	12.28	Rating **	U	Issue No.	923
LM End	12.28	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.335834 °	38.335834 °
				-121.643977 °	-121.643977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50097 DS_ID:22752 EP_NO: 11735 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - Appears abandoned. Pipe is visible in exposed cut on the WS slope of the levee. Riser on LS shoulder damaged from vandalism. welded plate on WS. No pump found on the platform in the drainage ditch. (T. Hatch/UCIP)06/25/2013 - Appears abandoned. Pipe exposed in cut on on WS slope and open at LS toe. No pump or appurtenances. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 7 feet below the crown. Pump in a drainage ditch on the landside (LS) with a sheetpile headwall, not found. A flap gate is located on the waterside (WS), not found. Siphon breaker in a riser on the LS slope (Permit No. 11735, 1978 - RD0999). Replaced an existing pipe. [Additional Reference(s): DWR Levee Logs, 1992]. FS Date: 7/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50097\_25415.jpg



Pipe visible in exposed cut on WS slope.

LM Start	12.28	Rating **	U	Issue No.	923 (cont)
LM End	12.28	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_50097\_25414.jpg



Siphon breaker in CMP riser on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	12.28	Rating **	U	Issue No.	71 (cont)	
LM End	12.28	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.335814 °		38.335814 °
				-121.643997 °		-121.643997 °
DWR ID	DWR_RD0999_01_f_2016_71					
Comment Code						
FE : Fence						
Inspector Comment						
Landowner is in the process of installing gate across levee crown and on at bottom of ramps on landward.						

Photo 2 of 3 : SP\_2017\_RD0999\_232\_71\_20170314\_00081.jpg



Looking at typical view of fence and gate poles on levee.

LM Start	<b>12.28</b>	Rating **	U	Issue No.	<b>71 (cont)</b>
LM End	<b>12.28</b>	Issue Type +	En	Location *	CR

Photo 3 of 3 : SP\_2017\_RD0999\_232\_71\_20170314\_00082.jpg



Looking east at gate and fence poles at landward berm.

LM Start	12.53	Rating **	C	Issue No.	21
LM End	12.60	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.332288 °	38.331247 °
				-121.644640 °	-121.644765 °
DWR ID	DWR_RD0999_01_s_2012_21				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Ruts have been fixed, but need to add appropriate gravel or road base.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	12.93	Rating **	C	Issue No.	24
LM End	13.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.326433 °	38.317400 °
				-121.644960 °	-121.644920 °
DWR ID	DWR_RD0999_01_s_2012_24				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	13.06	Rating **	M	Issue No.	924
LM End	13.06	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.324535 °	38.324535 °
				-121.644958 °	-121.644958 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24426					
DS_ID:22754					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe appears abandoned in place and if so should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through levee 5.0 feet below crown. Located 4 feet downstream from a power pole on the landside. Pipe is open on the landside. Not located on the waterward side. Landside toe pipe is crushed not plated. Not found 06/2013. Located by electromagnetic detector at this location.					
FS Date: 6/25/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	13.75	Rating **	C	Issue No.	68
LM End	15.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.314575 °	38.293858 °
				-121.644955 °	-121.644956 °
DWR ID	DWR_RD0999_01_s_2016_68				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair rutting and add appropriate gravel or road base. And control vegetation on levee crown.					

No Photos

LM Start	14.04	Rating **	M	Issue No.	49
LM End	14.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.310347 °	38.310347 °
				-121.644955 °	-121.644955 °
DWR ID	DWR_RD0999_01_f_2012_49				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Caving, 4' x 10', on landside slope.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00051.jpg



Looking southeast at caving on landward slope fall 2015.

LM Start	<b>14.04</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>14.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00052.jpg



Looking east at caving on landward shoulder and slope. (Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	14.04	Rating **	M	Issue No.	49 (cont)	
LM End	14.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.310347 °		38.310347 °
				-121.644955 °		-121.644955 °
DWR ID	DWR_RD0999_01_f_2012_49					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Caving, 4' x 10', on landside slope.						

Photo 3 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00053.jpg



Looking east caving on landside slope.

LM Start	<b>14.04</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>14.04</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_232\_49\_20170314\_00054.jpg



Looking southeast at caving on landside slope.

LM Start	15.19	Rating **	C	Issue No.	75
LM End	15.19	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.293698 °	38.293698 °
				-121.644961 °	-121.644961 °
DWR ID	DWR_RD0999_01_s_2017_75				
Comment Code					
Inspector Comment					
7090					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	925
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.293005 °	38.293005 °
				-121.644974 °	-121.644974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15366					
DS_ID:22757					
EP_NO: 14199					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the levee					
6.3 feet below the crown. Pumphouse on LS toe with a siphon breaker					
in a steel riser on WS shoulder (Permit No. 14199, 1985).					
FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15366\_25231.jpg



Pump in pumphouse on LS toe.

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>925 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_15366\_25230.jpg



siphon breaker in steel riser on WS shoulder

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	925 (cont)
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.293005 °	38.293005 °
				-121.644974 °	-121.644974 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15366 DS_ID:22757 EP_NO: 14199 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch steel discharge pipe through the levee 6.3 feet below the crown. Pumphouse on LS toe with a siphon breaker in a steel riser on WS shoulder (Permit No. 14199, 1985). FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15366\_25229.jpg



Closeup of 24-inch pipe on LS toe.

LM Start	15.24	Rating **	A/W	Issue No.	926
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15365 DS_ID:22756 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch pipe through the levee 7.0 feet below the crown. Flap gate on waterward end. Pump in pump house on landward toe. Siphon breaker in CMP riser on WS shoulder. Originally included in the 1966 O&M manual. FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15365\_25227.jpg



Pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	926 (cont)
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292973 °	38.292973 °
				-121.644977 °	-121.644977 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15365					
DS_ID:22756					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch pipe through the levee 7.0 feet below the crown. Flap gate on waterward end. Pump in pump house on landward toe. Siphon breaker in CMP riser on WS shoulder. Originally included in the 1966 O&M manual.					
FS Date: 6/25/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_15365\_25226.jpg



Siphon breaker in CMP riser on WS shoulder.

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>926 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	CR

Photo 3 of 3 : UCIP\_SP\_2017\_15365\_25225.jpg



Closeup of pipe at pump house on LS toe.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	927
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292943 °	38.292943 °
				-121.644980 °	-121.644980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15363 DS_ID:22755 EP_NO: 15303 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel discharge pipe through the levee 7.0 feet below the crown. Pump on platform on landward toe, siphon breaker in CMP riser on waterward shoulder (Permit No. 15303, 1989). FS Date: 6/25/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15363\_25219.jpg



Pump platform to right of pumphouse.

LM Start	<b>15.24</b>	Rating **	A/W	Issue No.	<b>927 (cont)</b>
LM End	<b>15.24</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP\_SP\_2017\_15363\_25218.jpg



Siphon breaker in CMP riser on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.24	Rating **	A/W	Issue No.	927 (cont)
LM End	15.24	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.292943 °	38.292943 °
				-121.644980 °	-121.644980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15363 DS_ID:22755 EP_NO: 15303 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch steel discharge pipe through the levee 7.0 feet below the crown. Pump on platform on landward toe, siphon breaker in CMP riser on waterward shoulder (Permit No. 15303, 1989). FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15363\_25217.jpg



Pump and platform on LS toe.

LM Start	15.26	Rating **	U	Issue No.	44
LM End	15.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292702 °	38.292702 °
				-121.644967 °	-121.644967 °
DWR ID	DWR_RD0999_01_s_2016_44				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Unauthorized palm trees on landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_232\_44\_20170314\_00046.jpg



Looking east at palm trees on landward slope next to ramp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.26	Rating **	U	Issue No.	44 (cont)	
LM End	15.26	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.292702 °		38.292702 °
				-121.644967 °		-121.644967 °
DWR ID	DWR_RD0999_01_s_2016_44					
Comment Code						
V7 : Trees / Woody Vegetation						
Inspector Comment						
Unauthorized palm trees on landward slope and toe.						

Photo 2 of 2 : SP\_2017\_RD0999\_232\_44\_20170516\_00116.jpg



LM Start	15.27	Rating **	M	Issue No.	39
LM End	15.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292578 °	38.290525 °
				-121.644972 °	-121.644902 °
DWR ID	DWR_RD0999_01_s_2012_39				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. Landowner added additional fencing on landward shoulder and slope.					

Photo 1 of 3 : SP\_2017\_RD0999\_232\_39\_20170314\_00034.jpg



Looking east at new fencing on landward shoulder and slope. (Spring 2015)

LM Start	<b>15.27</b>	Rating **	M	Issue No.	<b>39 (cont)</b>
LM End	<b>15.41</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_232\_39\_20170314\_00035.jpg



Looking north at fence along landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.27	Rating **	M	Issue No.	39 (cont)	
LM End	15.41	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.292578 °		38.290525 °
				-121.644972 °		-121.644902 °
DWR ID	DWR_RD0999_01_s_2012_39					
Comment Code						
FE : Fence						
Inspector Comment						
Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit for fence. Landowner added additional fencing on landward shoulder and slope.						

Photo 3 of 3 : SP\_2017\_RD0999\_232\_39\_20170314\_00036.jpg



Looking south at fence along landside slope.

LM Start	15.27	Rating **	C	Issue No.	33
LM End	15.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292544 °	38.292544 °
				-121.644960 °	-121.644960 °
DWR ID	DWR_RD0999_01_s_2012_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	15.28	Rating **	M	Issue No.	45
LM End	15.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292360 °	38.292360 °
				-121.644968 °	-121.644968 °
DWR ID	DWR_RD0999_01_s_2017_45				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.30	Rating **	M	Issue No.	62
LM End	15.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292030 °	38.292030 °
				-121.644971 °	-121.644971 °
DWR ID	DWR_RD0999_01_f_2014_62				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	15.33	Rating **	U	Issue No.	50
LM End	15.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291663 °	38.291663 °
				-121.644962 °	-121.644962 °
DWR ID	DWR_RD0999_01_f_2012_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Planted palm trees on landside shoulder.					

Photo 1 of 4 : SP\_2017\_RD0999\_232\_50\_20170516\_00117.jpg



Looking east at palm trees (Spring 2017)

LM Start	<b>15.33</b>	Rating **	U	Issue No.	<b>50 (cont)</b>
LM End	<b>15.33</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_232\_50\_20170314\_00055.jpg



Looking northeast at a mature palm trees on landward shoulder and slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.33	Rating **	U	Issue No.	50 (cont)	
LM End	15.33	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.291663 °		38.291663 °
				-121.644962 °		-121.644962 °
DWR ID	DWR_RD0999_01_f_2012_50					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Planted palm trees on landside shoulder.						

Photo 3 of 4 : SP\_2017\_RD0999\_232\_50\_20170314\_00056.jpg



Looking east at a maturing palm trees on landside shoulder and slope.  
(Fall 2014)

LM Start	15.33	Rating **	U	Issue No.	50 (cont)
LM End	15.33	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_232\_50\_20170314\_00057.jpg



Looking east at newly planted palm trees on landside shoulder and slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.36	Rating **	M	Issue No.	928
LM End	15.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291192 °	38.291192 °
				-121.644987 °	-121.644987 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16330 DS_ID:23970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch PVC waterline through the levee 2-feet below the crown. Pump off WS toe visible at waters edge. FS Date: 6/25/2013					

LM Start	15.36	Rating **	M	Issue No.	928 (cont)
LM End	15.36	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_16330\_27512.jpg



Pipe visible at WS toe in grass.

Photo 2 of 3 : UCIP\_SP\_2017\_16330\_27511.jpg



Possible pump visible off WS toe at waters edge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.41	03/22/2017 05/16/2017	Dave Torres

LM Start	15.36	Rating **	M	Issue No.	928 (cont)
LM End	15.36	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291192 °	38.291192 °
				-121.644987 °	-121.644987 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16330 DS_ID:23970 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch PVC waterline through the levee 2-feet below the crown. Pump off WS toe visible at waters edge. FS Date: 6/25/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_16330\_27510.jpg



Pipe visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 02 Miner Slough			Right	2.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2017 - 3/22/2017			
DWR Inspector	Richard Willoughby			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	31
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290422 °	38.286590 °
				-121.644887 °	-121.606332 °
DWR ID	DWR_RD0999_02_s_2017_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	32
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290422 °	38.286590 °
				-121.644887 °	-121.606332 °
DWR ID	DWR_RD0999_02_s_2017_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290355 °	38.290472 °
				-121.644713 °	-121.643888 °
DWR ID	DWR_RD0999_02_s_2012_17				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_17\_20170314\_00019.jpg



Looking west at fence along landside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.01	Rating **	M	Issue No.	17 (cont)	
LM End	0.06	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.290355 °		38.290472 °
				-121.644713 °		-121.643888 °
DWR ID	DWR_RD0999_02_s_2012_17					
Comment Code						
FE : Fence						
Inspector Comment						
Landowner has installed fence along landside slope for sheep to maintain levee slope. Landowner should apply for permit to keep fence.						

Photo 2 of 2 : SP\_2017\_RD0999\_233\_17\_20170314\_00020.jpg



Looking northeast at fence along landside shoulder.

LM Start	0.18	Rating **	U	Issue No.	24
LM End	0.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290871 °	38.290871 °
				-121.641755 °	-121.641755 °
DWR ID	DWR_RD0999_02_f_2013_24				
Comment Code					
BU : Building					
Inspector Comment					
Adandoned building on landward toe and berm.					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_24\_20170314\_00025.jpg



Looking southwest at abandoned building on landward berm.

LM Start	<b>0.18</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.18</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_24\_20170314\_00026.jpg



Looking west at abandoned building on landward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.18	Rating **	A/W	Issue No.	25
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290866 °	38.290866 °
				-121.641650 °	-121.641650 °
DWR ID	DWR_RD0999_02_f_2013_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	C	Issue No.	1
LM End	0.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290859 °	38.290859 °
				-121.641220 °	-121.641220 °
DWR ID	DWR_RD0999_02_f_2012_1				
Comment Code					
BU : Building					
Inspector Comment					
Dilapidated building at landside toe has been removed only bottom frame.					

No Photos

LM Start	0.23	Rating **	M	Issue No.	12
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.290787 °	38.290787 °
				-121.640725 °	-121.640725 °
DWR ID	DWR_RD0999_02_s_2012_12				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.54	Rating **	A/W	Issue No.	43
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291440 °	38.291440 °
				-121.635411 °	-121.635411 °
DWR ID	DWR_RD0999_02_f_2015_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.71	Rating **	M	Issue No.	44
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292689 °	38.292689 °
				-121.632730 °	-121.632730 °
DWR ID	DWR_RD0999_02_f_2015_44				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	U	Issue No.	37
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292783 °	38.292783 °
				-121.632317 °	-121.632317 °
DWR ID	DWR_RD0999_02_s_2014_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_37\_20170314\_00029.jpg



Looking at untrimmed tree on landward slope and toe. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.73	Rating **	U	Issue No.	37 (cont)	
LM End	0.73	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.292783 °		38.292783 °
				-121.632317 °		-121.632317 °
DWR ID	DWR_RD0999_02_s_2014_37					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_233\_37\_20170314\_00030.jpg



Looking at untrimmed tree on landward slope. (Spring 2016)

LM Start	0.76	Rating **	M	Issue No.	26
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292668 °	38.292613 °
				-121.631755 °	-121.631542 °
DWR ID	DWR_RD0999_02_f_2013_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	45
LM End	0.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292562 °	38.292562 °
				-121.631331 °	-121.631331 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15384 DS_ID:22772 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.5 feet below crown. Abandoned pump house on the waterward slope. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

LM Start	<b>0.79</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_15384\_25242.jpg



Pipe visible at concrete pad on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_15384\_25241.jpg



Concrete pad on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	45 (cont)	
LM End	0.79	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.292562 °	38.292562 °	
				-121.631331 °	-121.631331 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15384						
DS_ID:22772						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on both ends. Pumphouse has been removed. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.5 feet below crown. Abandoned pump house on the waterward slope. Originally included in the 1966 O&M manual.						
FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15384\_25240.jpg



Damaged pipe on LS slope.

LM Start	0.82	Rating **	U	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292439 °	38.292439 °
				-121.630781 °	-121.630781 °
DWR ID	DWR_RD0999_02_f_2012_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Century plant on landside slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_14\_20170314\_00015.jpg



Looking north at century plant at landward toe fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.82	Rating **	U	Issue No.	14 (cont)	
LM End	0.82	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.292439 °		38.292439 °
				-121.630781 °		-121.630781 °
DWR ID	DWR_RD0999_02_f_2012_14					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Century plant on landside slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_233\_14\_20170314\_00016.jpg



Looking north at century plant at landside toe.

LM Start	0.83	Rating **	U	Issue No.	19
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.292386 °	38.292386 °
				-121.630543 °	-121.630543 °
DWR ID	DWR_RD0999_02_f_2012_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_19\_20170314\_00021.jpg



Looking north at untrimmed trees to be thinned at landward toe fall 2015.

LM Start	<b>0.83</b>	Rating **	U	Issue No.	<b>19 (cont)</b>
LM End	<b>0.83</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_19\_20170314\_00022.jpg



Looking west at dense trees on landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.84	Rating **	M	Issue No.	13
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.292352 °	38.292352 °
				-121.630452 °	-121.630452 °
DWR ID	DWR_RD0999_02_s_2012_13				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_13\_20170314\_00014.jpg



Looking northwest at tree limb on landside slope.

LM Start	0.93	Rating **	M	Issue No.	2
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.291823 °	38.291250 °
				-121.628973 °	-121.627285 °
DWR ID	DWR_RD0999_02_s_2012_2				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_2\_20170314\_00004.jpg



Looking at several rodent holes on landside slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	46
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291739 °	38.291739 °
				-121.628873 °	-121.628873 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15385 DS_ID:22773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

LM Start	<b>0.93</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>0.93</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15385\_25246.jpg



Pipe with welded steel plate over end visible on WS

Photo 2 of 3 : UCIP\_SP\_2017\_15385\_25245.jpg



Pipe with welded steel plate over end visible on LS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	46 (cont)
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291739 °	38.291739 °
				-121.628873 °	-121.628873 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15385 DS_ID:22773 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch steel irrigation pipe through levee 4.9 feet below crown. Capped on both ends. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15385\_25244.jpg



Pipe with welded steel plate over end

LM Start	0.96	Rating **	U	Issue No.	39
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291603 °	38.291292 °
				-121.628485 °	-121.627577 °
DWR ID	DWR_RD0999_02_f_2014_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees along landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_39\_20170314\_00034.jpg



Looking south at untrimmed trees on landward slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	47
LM End	1.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291252 °	38.291252 °
				-121.627398 °	-121.627398 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16331 DS_ID:23961 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16331\_27516.jpg



Gasline marker on LS shoulder.

LM Start	<b>1.02</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>1.02</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16331\_27515.jpg



Gasline marker on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	47 (cont)	
LM End	1.02	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.291252 °		38.291252 °
				-121.627398 °		-121.627398 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:16331 DS_ID:23961 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: Gasline through the levee at an unknown depth. Markers on both shoulders. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_16331\_27514.jpg



Gasline marker on WS shoulder.

LM Start	1.04	Rating **	M	Issue No.	20
LM End	1.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.291206 °	38.290915 °
				-121.627030 °	-121.618227 °
DWR ID	DWR_RD0999_02_f_2012_20				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.15	Rating **	A/W	Issue No.	40
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.291069 °	38.291069 °
				-121.625138 °	-121.625138 °
DWR ID	DWR_RD0999_02_f_2014_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.25	Rating **	M	Issue No.	48
LM End	1.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291379 °	38.291379 °
				-121.623285 °	-121.623285 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16333 DS_ID:23962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 16-inch steel stormdrain through the levee 3- feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. PN 17064, 1999. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16333\_27523.jpg



Siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	48 (cont)
LM End	1.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291379 °	38.291379 °
				-121.623285 °	-121.623285 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16333 DS_ID:23962 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit for this crossing. FIELD_STRUCT_DESC: 16-inch steel stormdrain through the levee 3- feet below the crown with a pump in a pumphouse on the LS toe. Siphon breaker in a 24-inch steel riser on WS. PN 17064, 1999. FS Date: 6/27/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_16333\_27522.jpg



Pumphouse off LS toe.

LM Start	1.25	Rating **	M	Issue No.	48 (cont)
LM End	1.25	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_16333\_27521.jpg



Trash rack on Pumphouse off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	49
LM End	1.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291381 °	38.291381 °
				-121.623268 °	-121.623268 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16334					
DS_ID:23963					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit No. for this crossing.					
FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-					
feet below the crown with a pump in a pumphouse on the LS toe.					
Siphon breaker in a 24-inch steel riser on WS. Permit No. 17064, 1999					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16334\_27527.jpg



Siphon breaker on WS shoulder.

LM Start	1.25	Rating **	M	Issue No.	49 (cont)
LM End	1.25	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_16334\_27526.jpg



Pumphouse on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.25	Rating **	M	Issue No.	49 (cont)
LM End	1.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.291381 °	38.291381 °
				-121.623268 °	-121.623268 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16334					
DS_ID:23963					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit No. for this crossing.					
FIELD_STRUCT_DESC: 30-inch steel stormdrain through the levee 2.5-					
feet below the crown with a pump in a pumphouse on the LS toe.					
Siphon breaker in a 24-inch steel riser on WS. Permit No. 17064, 1999					
FS Date: 6/27/2013					

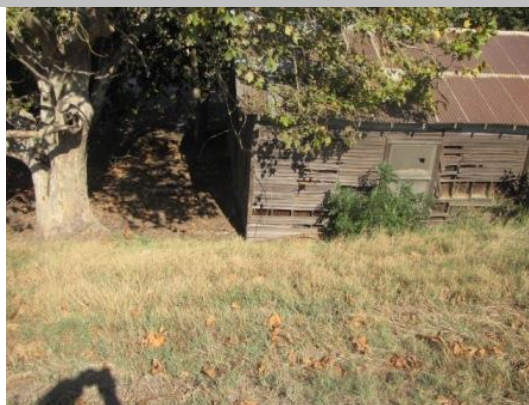
Photo 3 of 3 : UCIP\_SP\_2017\_16334\_27525.jpg



Pumphouse on LS toe with trash rack.

LM Start	1.67	Rating **	U	Issue No.	3
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290287 °	38.290217 °
				-121.615668 °	-121.615460 °
DWR ID	DWR_RD0999_02_s_2012_3				
Comment Code					
BU : Building					
Inspector Comment					
Old abandoned storage shed on landward toe and berm.					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_3\_20170314\_00005.jpg



Looking North at building at landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.67	Rating **	U	Issue No.	3 (cont)	
LM End	1.68	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.290287 °		38.290217 °
				-121.615668 °		-121.615460 °
DWR ID	DWR_RD0999_02_s_2012_3					
Comment Code						
BU : Building						
Inspector Comment						
Old abandoned storage shed on landward toe and berm.						

Photo 2 of 2 : SP\_2017\_RD0999\_233\_3\_20170314\_00006.jpg



Looking northeast at building at landside toe.

LM Start	1.68	Rating **	C	Issue No.	5
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290248 °	38.290248 °
				-121.615560 °	-121.615560 °
DWR ID	DWR_RD0999_02_s_2012_5				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	1.68	Rating **	U	Issue No.	28
LM End	1.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290260 °	38.290260 °
				-121.615473 °	-121.615473 °
DWR ID	DWR_RD0999_02_f_2013_28				
Comment Code					
BU : Building					
Inspector Comment					
Abandoned pump house on landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_28\_20170314\_00027.jpg



Looking northeast at abandoned pump house on landward toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.69	Rating **	U	Issue No.	10
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290195 °	38.290195 °
				-121.615268 °	-121.615268 °
DWR ID	DWR_RD0999_02_s_2012_10				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_10\_20170314\_00011.jpg



Looking north at a tank on the landside slope and toe.

LM Start	1.70	Rating **	U	Issue No.	11
LM End	1.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290171 °	38.290171 °
				-121.615260 °	-121.615260 °
DWR ID	DWR_RD0999_02_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_233\_11\_20170314\_00012.jpg



Looking at dense trees on landward slope.

LM Start	<b>1.70</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>1.70</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_233\_11\_20170314\_00013.jpg



Looking southwest at dense trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.72	Rating **	M	Issue No.	50
LM End	1.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289967 °	38.289967 °
				-121.614873 °	-121.614873 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:15386  
DS\_ID:22774  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Pipe abandoned and should be done so properly.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 10-inch pipe through levee 8.3 feet below crown. 6'X11' corrugated metal Pump house and gate valve on the waterward slope. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual.  
FS Date: 6/27/2013

LM Start	<b>1.72</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>1.72</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15386\_25249.jpg



Pumphouse on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_15386\_25248.jpg



Pipe, pumphouse, and gate valve on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.72	Rating **	M	Issue No.	50 (cont)	
LM End	1.72	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.289967 °	38.289967 °	
				-121.614873 °	-121.614873 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15386						
DS_ID:22774						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch pipe through levee						
8.3 feet below crown. 6'X11' corrugated metal Pump house and gate						
valve on the waterward slope. 36-inch concrete standpipe on LS toe.						
Originally included in the 1966 O&M manual.						
FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15386\_25247.jpg



Concrete standpipe on LS toe.

LM Start	1.73	Rating **	A/W	Issue No.	8
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289895 °	38.289595 °
				-121.614688 °	-121.614337 °
DWR ID	DWR_RD0999_02_s_2012_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 3 : SP\_2017\_RD0999\_233\_8\_20170314\_00008.jpg



Looking east at dense vegetation on landward shoulder and slope.  
(Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.73	Rating **	A/W	Issue No.	8 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.289895 °		38.289595 °
				-121.614688 °		-121.614337 °
DWR ID	DWR_RD0999_02_s_2012_8					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						

Photo 2 of 3 : SP\_2017\_RD0999\_233\_8\_20170314\_00009.jpg



Looking west at dense vegetation on landward shoulder and slope.  
(Spring 2015)

LM Start	<b>1.73</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_233\_8\_20170314\_00010.jpg



Looking east at elderberry bush on landside shoulder and slope. (Fall 2014)

LM Start	1.74	Rating **	C	Issue No.	34
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289773 °	38.289773 °
				-121.614587 °	-121.614587 °
DWR ID	DWR_RD0999_02_s_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.78	Rating **	C	Issue No.	42
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289399 °	38.289399 °
				-121.614130 °	-121.614130 °
DWR ID	DWR_RD0999_02_f_2014_42				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberry and wildroses blocking landward toe.					

No Photos

LM Start	1.78	Rating **	C	Issue No.	38
LM End	1.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289360 °	38.289006 °
				-121.614086 °	-121.613639 °
DWR ID	DWR_RD0999_02_s_2014_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.78	Rating **	M	Issue No.	51
LM End	1.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289357 °	38.289357 °
				-121.614089 °	-121.614089 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41069					
DS_ID:22775					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears abandoned.					
FIELD_STRUCT_DESC: 8-inch pipe through levee 4.0 feet below crown. Used during irrigation season with portable pump. 7'X7' concrete pumphouse sump on WS shoulder with pump mount. Originally included in the 1966 O&M manual.					
FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_41069\_25251.jpg



7'X7' concrete pumphouse sump on WS shoulder.

LM Start	<b>1.78</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>1.78</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2017\_41069\_25250.jpg



Pump mount inside foundation at WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.80	Rating **	C	Issue No.	6
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289117 °	38.288718 °
				-121.613777 °	-121.612227 °
DWR ID	DWR_RD0999_02_s_2012_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
LMA is maintaining vegetation, but should be monitored.					

No Photos

LM Start	1.81	Rating **	C	Issue No.	22
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.289002 °	38.286742 °
				-121.613675 °	-121.605903 °
DWR ID	DWR_RD0999_02_s_2012_22				
Comment Code					
CR : Crops					
Inspector Comment					
Crops encroached within ten feet of the landside toe.					

No Photos

LM Start	1.93	Rating **	M	Issue No.	16
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288713 °	38.288713 °
				-121.611620 °	-121.611620 °
DWR ID	DWR_RD0999_02_s_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.97	Rating **	M	Issue No.	33
LM End	1.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.288712 °	38.288712 °
				-121.610920 °	-121.610920 °
DWR ID	DWR_RD0999_02_s_2017_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.06	Rating **	U	Issue No.	29
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.288870 °	38.288844 °
				-121.609259 °	-121.609008 °
DWR ID	DWR_RD0999_02_f_2013_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_233\_29\_20170314\_00028.jpg



Looking at untrimmed trees on landward slope fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.28	Rating **	M	Issue No.	52
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.286666 °	38.286666 °
				-121.606803 °	-121.606803 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15703 DS_ID:22770 EP_NO: 3855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Capped during winter months. 6-inch pipe sleeved through 10-inch during irrigation season (Permit No. 3855, 1962). Included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15703\_26125.jpg



Pipe visible just off shoulder on LS slope in the rose bushes.

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15703\_26124.jpg



Pipe visible just off shoulder on LS slope in the rose bushes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.31	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.28	Rating **	M	Issue No.	52 (cont)	
LM End	2.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.286666 °	38.286666 °	
				-121.606803 °	-121.606803 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15703 DS_ID:22770 EP_NO: 3855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe not capped on LS and not found on WS. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4.0 feet below the crown. Capped during winter months. 6-inch pipe sleeved through 10-inch during irrigation season (Permit No. 3855, 1962). Included in the 1966 O&M manual. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15703\_26123.jpg



Pipe partially filled with soil and open on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Right	3.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2017 - 3/22/2017			
DWR Inspector	Richard Willoughby			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	9
LM End	3.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286637 °	38.332663 °
				-121.606248 °	-121.584533 °
DWR ID	DWR_RD0999_03_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	16
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.286637 °	38.332663 °
				-121.606248 °	-121.584533 °
DWR ID	DWR_RD0999_03_s_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.06	Rating **	M	Issue No.	17
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.287290 °	38.287290 °
				-121.605472 °	-121.605472 °
DWR ID	DWR_RD0999_03_s_2017_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Century plants on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_17\_20170324\_00042.jpg



Looking east at century plants on waterward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.09	Rating **	M	Issue No.	23
LM End	0.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287595 °	38.287595 °
				-121.605275 °	-121.605275 °
DWR ID	DWR_RD0999_03_s_2017_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning piles on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_23\_20170324\_00043.jpg



Looking east large pruning piles on waterward slope.

LM Start	0.18	Rating **	M	Issue No.	51
LM End	0.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.288813 °	38.288813 °
				-121.604670 °	-121.604670 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15389 DS_ID:22776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 6.2 feet below crown. Abandoned 4'X7' concrete pumphouse and gate valve on the landward slope. Plate welded on the waterward end. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15389\_25254.jpg



Pumphouse on LS slope covered in rose bush.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.18	Rating **	M	Issue No.	51 (cont)	
LM End	0.18	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.288813 °	38.288813 °	
				-121.604670 °	-121.604670 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15389 DS_ID:22776 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 6.2 feet below crown. Abandoned 4'X7' concrete pumphouse and gate valve on the landward slope. Plate welded on the waterward end. Originally included in the 1966 O&M manual. FS Date: 6/27/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_15389\_25253.jpg



Pipe visible on LS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_15389\_25252.jpg



Steel plate on WS end of pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.24	Rating **	U	Issue No.	29
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.289634 °	38.295505 °
				-121.604343 °	-121.605648 °
DWR ID	DWR_RD0999_03_s_2016_29				
Comment Code					
Inspector Comment					
1997 - Intermittent over-steepened sections. Large riparian vegetation along the length of the entire reach. Attempts to repair with rock on bank have failed. 1999 - New rock repair at the downstream end. 2002 - Some minor spot repairs. 2009 - Minimal new erosion. 2010 - Appears that fresh rock placed on downstream portion of site. Toe scour and overhanging trees with some overturned. 2012 - Minor new erosion at the toe. 2013 - Site upgraded to CRITICAL. Severe slumping into levee at downstream end of site. Fresh erosion into bank toe. 2015: New slumping, tall vertical sections. [2015 Site ID: STR_24-7_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_29\_20170314\_00024.jpg



USACE 2013 Photo #1

LM Start	0.66	Rating **	U	Issue No.	8
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295618 °	38.295618 °
				-121.605923 °	-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Dense veg on landward slope.					

Photo 1 of 3 : SP\_2017\_RD0999\_234\_8\_20170324\_00044.jpg



Looking east at dense veg on landward slope. (Spring 2017)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.66	Rating **	U	Issue No.	8 (cont)	
LM End	0.66	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.295618 °		38.295618 °
				-121.605923 °		-121.605923 °
DWR ID	DWR_RD0999_03_s_2012_8					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						
Dense veg on landward slope.						

LM Start	<b>0.66</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.66</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_234\_8\_20170314\_00006.jpg



Looking east at elderberry at landward slope and toe. (Spring 2016)

Photo 3 of 3 : SP\_2017\_RD0999\_234\_8\_20170314\_00005.jpg



Looking east at brush on landward slope and toe. (Fall 2016)

LM Start	0.93	Rating **	U	Issue No.	43
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.299130 °	38.299362 °
				-121.603768 °	-121.603462 °
DWR ID	DWR_RD0999_03_f_2014_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_43\_20170314\_00028.jpg



Looking at untrimmed trees on landward slope and toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	0.97	Rating **	M	Issue No.	30
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.299402 °	38.300542 °
				-121.603056 °	-121.601118 °
DWR ID	DWR_RD0999_03_s_2016_30				
Comment Code					
Inspector Comment					
2008 - Over steepened levee section. 2009 - Significant new erosion. 2010 - Minor new erosion. 2015: No observed changes. [2015 Site ID: STR_25-2_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_30\_20170314\_00025.jpg



USACE 2013 Photo #1

LM Start	1.43	Rating **	M	Issue No.	1
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.305229 °	38.306667 °
				-121.599933 °	-121.598266 °
DWR ID	DWR_RD0999_03_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Toe scour along length of site and erosion pockets. 2012 - Site extended slightly upstream due to new erosion pocket. 2013 - Tall vertical sections at upstream end of site. 2015: No observed changes. [2015 Site ID: STR_25-7_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_1\_20170314\_00001.jpg



USACE 2013 Photo #1

LM Start	1.50	Rating **	M	Issue No.	11
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306062 °	38.306062 °
				-121.599495 °	-121.599495 °
DWR ID	DWR_RD0999_03_s_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_234\_11\_20170314\_00011.jpg



Looking at untrimmed trees on landward slope and toe. (Fall 2016)

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.50	Rating **	M	Issue No.	11 (cont)	
LM End	1.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.306062 °		38.306062 °
				-121.599495 °		-121.599495 °
DWR ID	DWR_RD0999_03_s_2012_11					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_234\_11\_20170314\_00012.jpg



Looking at untrimmed trees on landward slope and toe. (Spring 2016)

LM Start	1.53	Rating **	U	Issue No.	12
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306332 °	38.306332 °
				-121.599109 °	-121.599109 °
DWR ID	DWR_RD0999_03_s_2012_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_12\_20170314\_00013.jpg



Looking east at untrimmed trees on landward slope.

LM Start	1.57	Rating **	M	Issue No.	13
LM End	1.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.306762 °	38.306948 °
				-121.598541 °	-121.598320 °
DWR ID	DWR_RD0999_03_s_2012_13				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_13\_20170314\_00014.jpg



Looking north at untrimmed trees on landward toe. (Spring 2015)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.61	Rating **	U	Issue No.	25
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307295 °	38.307295 °
				-121.598202 °	-121.598202 °
DWR ID	DWR_RD0999_03_s_2017_25				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_25\_20170324\_00045.jpg



Looking east at several large pruning piles on waterward slope.

LM Start	1.68	Rating **	M	Issue No.	14
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.308129 °	38.308129 °
				-121.598610 °	-121.598610 °
DWR ID	DWR_RD0999_03_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	52
LM End	1.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.308513 °	38.308513 °
				-121.598874 °	-121.598874 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15392 DS_ID:22779 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be verified as being done so properly. FIELD_STRUCT_DESC: *Abandoned* 5-inch pipe through levee 4.4 feet below crown. Pump and valve in pump house on the waterward slope (couldn't see landward end of pipe 2/91). 1-inch galvanized iron electric conduit at same location. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15392\_25261.jpg



Pumphouse visible on WS slope.

LM Start	1.71	Rating **	M	Issue No.	52 (cont)
LM End	1.71	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15392\_25260.jpg



1-inch galvanized iron electrical conduit on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	1.71	Rating **	M	Issue No.	52 (cont)	
LM End	1.71	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.308513 °	38.308513 °	
				-121.598874 °	-121.598874 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15392 DS_ID:22779 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be verified as being done so properly. FIELD_STRUCT_DESC: *Abandoned* 5-inch pipe through levee 4.4 feet below crown. Pump and valve in pump house on the waterward slope (couldn't see landward end of pipe 2/91). 1-inch galvanized iron electric conduit at same location. Originally included in the 1966 O&M manual. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15392\_25259.jpg



gatevalve inside pumphouse with no connection.

LM Start	1.96	Rating **	M	Issue No.	20
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.311447 °	38.311447 °
				-121.597358 °	-121.597358 °
DWR ID	DWR_RD0999_03_s_2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	53
LM End	2.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.311709 °	38.311709 °
				-121.596713 °	-121.596713 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15393					
DS_ID:22780					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 7-inch pipe through levee 4.6 feet below crown. Pump and gate valve on waterward slope. Service pole on the landward slope. 1-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.					
FS Date: 6/27/2013					

LM Start	<b>2.00</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>2.00</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15393\_25264.jpg



Pipe visible on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_15393\_25263.jpg



Gate valve on WS slope at pump.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.00	Rating **	M	Issue No.	53 (cont)	
LM End	2.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.311709 °	38.311709 °	
				-121.596713 °	-121.596713 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15393						
DS_ID:22780						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 7-inch pipe through levee 4.6 feet below crown. Pump and gate valve on waterward slope. Service pole on the landward slope. 1-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.						
FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15393\_25262.jpg



Galvanized iron pipe on WS slope.

LM Start	2.09	Rating **	M	Issue No.	26
LM End	2.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312470 °	38.312470 °
				-121.595433 °	-121.595433 °
DWR ID	DWR_RD0999_03_s_2012_26				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.12	Rating **	M	Issue No.	24
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312839 °	38.312839 °
				-121.594936 °	-121.594936 °
DWR ID	DWR_RD0999_03_s_2012_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.20	Rating **	M	Issue No.	40
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.313566 °	38.313777 °
				-121.593910 °	-121.593608 °
DWR ID	DWR_RD0999_03_s_2015_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.54	Rating **	U	Issue No.	27
LM End	2.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.317840 °	38.317840 °
				-121.590895 °	-121.590895 °
DWR ID	DWR_RD0999_03_s_2012_27				
Comment Code					
EQ : Equipment					
Inspector Comment					
Diesel tank stored at landside toe.					

Photo 1 of 3 : SP\_2017\_RD0999\_234\_27\_20170314\_00021.jpg



Looking northwest at diesel tank and other farm equipment stored at landward toe. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.54	Rating **	U	Issue No.	27 (cont)	
LM End	2.54	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.317840 °	38.317840 °	
				-121.590895 °	-121.590895 °	
DWR ID	DWR_RD0999_03_s_2012_27					
Comment Code						
EQ : Equipment						
Inspector Comment						
Diesel tank stored at landside toe.						

Photo 2 of 3 : SP\_2017\_RD0999\_234\_27\_20170314\_00022.jpg



Looking southwest at farm equipment stored at landside toe. (Fall Inspection 2012)

LM Start	<b>2.54</b>	Rating **	U	Issue No.	<b>27 (cont)</b>
LM End	<b>2.54</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_234\_27\_20170314\_00023.jpg



Looking northwest at equipment at landside toe.

LM Start	2.71	Rating **	A/W	Issue No.	41
LM End	2.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.320335 °	38.320335 °
				-121.590795 °	-121.590795 °
DWR ID	DWR_RD0999_03_s_2015_41				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.78	Rating **	M	Issue No.	28
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.321244 °	38.323362 °
				-121.590969 °	-121.590208 °
DWR ID	DWR_RD0999_03_s_2012_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	M	Issue No.	21
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.322457 °	38.323042 °
				-121.590693 °	-121.590209 °
DWR ID	DWR_RD0999_03_s_2016_21				
Comment Code					
Inspector Comment					
2012 - Slumping of upper levee slope. 2015: No observed changes. [2015 Site ID: STR_27-1_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_21\_20170314\_00018.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	54
LM End	2.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322652 °	38.322652 °
				-121.590841 °	-121.590841 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15406					
DS_ID:22782					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe is abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 16-inch pipe through levee 9.3 feet below crown. Pump and gate valve in pump house on the landward slope. Originally included in the 1966 O&M manual.					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15406\_25285.jpg



Pumphouse on LS toe.

LM Start	<b>2.88</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_15406\_25284.jpg



Pump and gate valve inside pumphouse at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.88	Rating **	M	Issue No.	54 (cont)
LM End	2.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322652 °	38.322652 °
				-121.590841 °	-121.590841 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15406 DS_ID:22782 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe is abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 16-inch pipe through levee 9.3 feet below crown. Pump and gate valve in pump house on the landward slope. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15406\_25283.jpg



Pipe entering levee at LS toe.

LM Start	2.88	Rating **	U	Issue No.	10
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322757 °	38.322757 °
				-121.590817 °	-121.590817 °
DWR ID	DWR_RD0999_03_f_2012_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Wild growth at landside slope and toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00007.jpg



Looking northwest at dense vegetation on landward slope and toe.  
(Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	2.88	Rating **	U	Issue No.	10 (cont)	
LM End	2.88	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.322757 °		38.322757 °
				-121.590817 °		-121.590817 °
DWR ID	DWR_RD0999_03_f_2012_10					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Wild growth at landside slope and toe.						

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00008.jpg



Looking west at trimmed trees at landward toe. (Fall 2014)

Photo 3 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00009.jpg



Looking west at dense trees on landside toe.

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>10 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_234\_10\_20170314\_00010.jpg



Looking northwest at dense vegetation at landside slope and toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	3.01	Rating **	U	Issue No.	31
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.323770 °	38.326061 °
				-121.589035 °	-121.586028 °
DWR ID	DWR_RD0999_03_s_2012_31				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_234\_31\_20170314\_00026.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2016)

LM Start	<b>3.01</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>3.25</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_234\_31\_20170314\_00027.jpg



Looking north at trimmed trees on landward slope.

LM Start	3.05	Rating **	M	Issue No.	5
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.323667 °	38.325592 °
				-121.588226 °	-121.585925 °
DWR ID	DWR_RD0999_03_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Multiple erosion pockets. Some likely from tree popouts. 2013 - Tall vertical sections. 2015: New tree popout and significant new erosion. [2015 Site ID: STR_27-3_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_5\_20170314\_00004.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	3.21	Rating **	A/W	Issue No.	19
LM End	3.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.325534 °	38.325534 °
				-121.586273 °	-121.586273 °
DWR ID	DWR_RD0999_03_s_2012_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.49	Rating **	A/W	Issue No.	49
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.329452 °	38.329452 °
				-121.586560 °	-121.586560 °
DWR ID	DWR_RD0999_03_f_2015_49				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.56	Rating **	A/W	Issue No.	50
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330326 °	38.330994 °
				-121.586222 °	-121.585908 °
DWR ID	DWR_RD0999_03_f_2015_50				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side    N/A : Not Applicable		A : Acceptable                      N : Not Inspected/Rated		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable        C : Corrected		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	3.60	Rating **	M	Issue No.	44
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330946 °	38.331415 °
				-121.585932 °	-121.585534 °
DWR ID	DWR_RD0999_03_s_2015_44				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than four inches in diameter at chest height. Don't allow young trees to get establish on levee slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_44\_20170314\_00029.jpg



Looking southwest at typical view of young oak trees on landward slope. (Spring 2015)

LM Start	3.70	Rating **	U	Issue No.	22
LM End	3.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332017 °	38.332156 °
				-121.584807 °	-121.584707 °
DWR ID	DWR_RD0999_03_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_234\_22\_20170314\_00019.jpg



Looking southwest at trimmed landscaping on landside slope, but still blocking levee slope.

LM Start	<b>3.70</b>	Rating **	U	Issue No.	<b>22 (cont)</b>
LM End	<b>3.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_234\_22\_20170314\_00020.jpg



Looking northwest at landscaping on landside slope and toe. (Spring 2011)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	03/22/2017 03/22/2017	Richard Willoughby

LM Start	4.56	Rating **	M	Issue No.	18
LM End	4.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.313836 °	38.315407 °
				-121.592259 °	-121.591433 °
DWR ID	DWR_RD0999_03_s_2016_18				
Comment Code					
Inspector Comment					
2002 - Original rock over geotextile is sliding off and the end is coming unraveled. 2003 - Some minor new erosion on the downstream end. 2004 - Site has gotten worse. Underlined geofabric is exposed. 2005 - Still looks bad with exposed geotextile fabric. 2006 - Still have some new unraveling and exposed fabric. Site lengthened upstream. 2009 - Minimal new erosion. 2010 - geotextile fabric placed since last year, possible flood fight. 2012 - Exposed geotech style fabric, assume rock on top slid off. 2015: Erosion pockets covered with plastic. [2015 Site ID: STR_26-5_L]					

Photo 1 of 1 : SP\_2017\_RD0999\_234\_18\_20170314\_00017.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway			Bank	Unit Miles
Unit No. 04 Sacramento River			Right	1.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/23/2017 - 3/23/2017			
DWR Inspector	Richard Willoughby			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	49
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.414022 °	38.414022 °
				-121.522986 °	-121.522986 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15708 DS_ID:22788 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5'x5' concrete culvert through the levee 30.0 feet below the crown. Slide gate in 6'X8' concrete vault on the waterward shoulder. Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_15708\_26137.jpg



Slide gate in concrete vault on WS shoulder.

LM Start	<b>0.00</b>	Rating **	A/W	Issue No.	<b>49 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2017\_15708\_26136.jpg



Toe of LS at approximate location of outlet/inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.414112°	38.429770°	
			-121.523295°	-121.533145°	
DWR ID	DWR_RD0999_04_s_2017_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.01</b>	Rating **	M	Issue No.	<b>43</b>
LM End	<b>1.22</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.414112°	38.429770°	
			-121.523295°	-121.533145°	
DWR ID	DWR_RD0999_04_s_2017_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	<b>0.02</b>	Rating **	M	Issue No.	<b>8</b>
LM End	<b>0.28</b>	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2015 USACE Erosion Survey, DRAFT		38.414387°	38.417692°	
			-121.522871°	-121.525083°	
DWR ID	DWR_RD0999_04_s_2016_8				
Comment Code					
Inspector Comment					
1997 - Structural problem rather than erosional, failed cobble at downstream end. 2005 - New brush boxes at waterline for several hundred feet downstream, No toe or bank protection present. 2006 - Some minor new erosion. Brush boxes not working well; most of the brush has floated out. 2007 - Brush boxes have recently been repaired. 2015: No observed changes. [2015 Site ID: SAC_41-9_R]					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_8\_20170314\_00005.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.03	Rating **	M	Issue No.	45
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414335 °	38.414335 °
				-121.523348 °	-121.523348 °
DWR ID	DWR_RD0999_04_s_2017_45				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large downed tree on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_45\_20170324\_00073.jpg



Looking west at fallen tree on landward slope.

LM Start	0.03	Rating **	M	Issue No.	35
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414450 °	38.414450 °
				-121.523308 °	-121.523308 °
DWR ID	DWR_RD0999_04_f_2014_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees on landward slope and toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_35\_20170314\_00021.jpg



Looking at untrimmed trees on landward slope.

LM Start	0.05	Rating **	M	Issue No.	13
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.414672 °	38.415468 °
				-121.523527 °	-121.524037 °
DWR ID	DWR_RD0999_04_s_2012_13				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_13\_20170314\_00012.jpg



Cyclone fence along landside shoulder at LM 0.05 -0.11

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	50
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.414881 °	38.414881 °
				-121.523682 °	-121.523682 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15709 DS_ID:22789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

LM Start	<b>0.07</b>	Rating **	M	Issue No.	<b>50 (cont)</b>
LM End	<b>0.07</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15709\_26140.jpg



Pipe visible at concrete foundation on LS shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_15709\_26139.jpg



Pipe visible at concrete foundation on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	50 (cont)
LM End	0.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.414881 °	38.414881 °
				-121.523682 °	-121.523682 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15709 DS_ID:22789 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through levee 4.5 feet below crown. Concrete blocks for missing Pump and pressure system visible on WS slope. 8-inch steel standpipe on WS toe with remnants of 2-inch pipe visible at top. Pipe visible at concrete foundation on LS shoulder. Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15709\_26138.jpg



Pipe visible at top of steel standpipe. Foundation for pump station visible on WS slope.

LM Start	0.11	Rating **	U	Issue No.	15
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.415425 °	38.416733 °
				-121.523920 °	-121.524705 °
DWR ID	DWR_RD0999_04_s_2017_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Waterside erosion 2ft vertical cut.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_15\_20170324\_00074.jpg



Looking downstream at 2ft plus vertical erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.11	Rating **	U	Issue No.	15 (cont)	
LM End	0.21	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.415425 °		38.416733 °
				-121.523920 °		-121.524705 °
DWR ID	DWR_RD0999_04_s_2017_15					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Waterside erosion 2ft vertical cut.						

Photo 2 of 2 : SP\_2017\_RD0999\_235\_15\_20170324\_00075.jpg



Looking upstream at 2ft plus vertical erosion on waterward slope.

LM Start	0.14	Rating **	C	Issue No.	4
LM End	0.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415843 °	38.415843 °
				-121.524163 °	-121.524163 °
DWR ID	DWR_RD0999_04_s_2012_4				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	U	Issue No.	38
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.416040 °	38.416040 °
				-121.524282 °	-121.524282 °
DWR ID	DWR_RD0999_04_f_2015_38				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense landscaping on landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_38\_20170314\_00025.jpg



Looking northwest at dense landscaping on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.16	Rating **	U	Issue No.	38 (cont)	
LM End	0.16	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.416040 °		38.416040 °
				-121.524282 °		-121.524282 °
DWR ID	DWR_RD0999_04_f_2015_38					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Dense landscaping on landward slope and toe.						

Photo 2 of 2 : SP\_2017\_RD0999\_235\_38\_20170314\_00026.jpg



Looking southwest at dense landscaping on landward slope and toe.

LM Start	0.19	Rating **	M	Issue No.	24
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.416518 °	38.417519 °
				-121.524502 °	-121.525368 °
DWR ID	DWR_RD0999_04_s_2012_24				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.28	Rating **	M	Issue No.	20
LM End	0.30	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.417600 °	38.417856 °
				-121.525439 °	-121.525613 °
DWR ID	DWR_RD0999_04_f_2013_20				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_20\_20170314\_00017.jpg



Looking west at dense landscaping on landward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.29	Rating **	U	Issue No.	36
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.417809 °	38.417809 °
				-121.525488 °	-121.525488 °
DWR ID	DWR_RD0999_04_f_2014_36				
Comment Code					
BU : Building					
Inspector Comment					
Land owner built patio structure next to mobile dinner on waterward shoulder area without Board permit.					

Photo 1 of 3 : SP\_2017\_RD0999\_235\_36\_20170314\_00022.jpg



Looking northeast at patio on waterward shoulder.

LM Start	<b>0.29</b>	Rating **	U	Issue No.	<b>36 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : SP\_2017\_RD0999\_235\_36\_20170314\_00023.jpg



Looking north at patio structure on waterward shoulder.

LM Start	<b>0.29</b>	Rating **	U	Issue No.	<b>36 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : SP\_2017\_RD0999\_235\_36\_20170314\_00024.jpg



Looking northeast at patio structure on waterward shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.31	Rating **	U	Issue No.	12
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.418002 °	38.418470 °
				-121.525712 °	-121.526002 °
DWR ID	DWR_RD0999_04_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_12\_20170314\_00010.jpg



Looking west at dense vegetation on landside slope and toe.

LM Start	<b>0.31</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_12\_20170314\_00011.jpg



Looking northwest at dense vegetation on landside shoulder and slope.

LM Start	0.38	Rating **	U	Issue No.	11
LM End	0.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.418838 °	38.420237 °
				-121.526225 °	-121.527193 °
DWR ID	DWR_RD0999_04_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_11\_20170314\_00008.jpg



Looking northwest at dense landscaping on landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.38	Rating **	U	Issue No.	11 (cont)	
LM End	0.49	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.418838 °		38.420237 °
				-121.526225 °		-121.527193 °
DWR ID	DWR_RD0999_04_s_2012_11					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_235\_11\_20170314\_00009.jpg



Looking west at century plants on landside shoulder and slope.

LM Start	0.38	Rating **	M	Issue No.	10
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.418838 °	38.420447 °
				-121.526225 °	-121.527380 °
DWR ID	DWR_RD0999_04_s_2012_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_10\_20170314\_00006.jpg



Looking northwest at dense trees on landside slope and toe.

LM Start	<b>0.38</b>	Rating **	M	Issue No.	<b>10 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_10\_20170314\_00007.jpg



Looking west at dense trees on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.40	Rating **	M	Issue No.	1
LM End	0.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.419137 °	38.420078 °
				-121.526280 °	-121.526913 °
DWR ID	DWR_RD0999_04_s_2012_1				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_1\_20170314\_00001.jpg



Looking north at rose bushes on waterside slope.

LM Start	0.53	Rating **	M	Issue No.	37
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.420791 °	38.421194 °
				-121.527553 °	-121.527852 °
DWR ID	DWR_RD0999_04_s_2015_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	A/W	Issue No.	21
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.421394 °	38.421394 °
				-121.527963 °	-121.527963 °
DWR ID	DWR_RD0999_04_f_2013_21				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Dead tree on landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_21\_20170314\_00018.jpg



Looking southwest at dead tree at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.58	Rating **	A/W	Issue No.	21 (cont)	
LM End	0.58	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.421394 °		38.421394 °
				-121.527963 °		-121.527963 °
DWR ID	DWR_RD0999_04_f_2013_21					
Comment Code						
V7 : Trees / Woody Vegetation						
Inspector Comment						
Dead tree on landward slope and toe.						

Photo 2 of 2 : SP\_2017\_RD0999\_235\_21\_20170314\_00019.jpg



Looking west at dead tree at landward toe.

LM Start	0.63	Rating **	N	Issue No.	19
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.421997 °	38.421997 °
				-121.528470 °	-121.528470 °
DWR ID	DWR_RD0999_04_s_2012_19				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	M	Issue No.	44
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422356 °	38.422356 °
				-121.528681 °	-121.528681 °
DWR ID	DWR_RD0999_04_f_2016_44				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.66	Rating **	N	Issue No.	18
LM End	0.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.422377 °	38.422377 °
				-121.528792 °	-121.528792 °
DWR ID	DWR_RD0999_04_s_2012_18				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.71	Rating **	M	Issue No.	51
LM End	0.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423062 °	38.423062 °
				-121.529241 °	-121.529241 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15712 DS_ID:22791 EP_NO: 3973 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate broken on LS toe.  Appears it may be abandoned. FIELD_STRUCT_DESC: 18-inch steel stormdrain pipe through the levee 4.7 feet below the crown. air vent in 18-inch steel standpipe on the waterward shoulder. Gate valve on the land side toe (Permit No. 3973, 1962). Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15712\_26150.jpg



Air vent in standpipe on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	51 (cont)	
LM End	0.71	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423062 °	38.423062 °	
				-121.529241 °	-121.529241 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15712						
DS_ID:22791						
EP_NO: 3973						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Slide gate broken on LS toe. Appears it may be abandoned.						
FIELD_STRUCT_DESC: 18-inch steel stormdrain pipe through the levee 4.7 feet below the crown. air vent in 18-inch steel standpipe on the waterward shoulder. Gate valve on the land side toe (Permit No. 3973, 1962). Originally included in the 1966 O&M manual.						
FS Date: 7/12/2013						

LM Start	<b>0.71</b>	Rating **	M	Issue No.	<b>51 (cont)</b>
LM End	<b>0.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15712\_26149.jpg



Electrical panel, water meter, and gate valve on LS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_15712\_26148.jpg



Gate valve on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	52
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15725 DS_ID:22796 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe through the levee 3.8 feet below the crown. Siphon breaker at headwall on the waterward slope. (Permit No. 10514, 1974) FS Date: 7/12/2013					

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15725\_26181.jpg



Discharge pipe at concrete pad then down slope to water.

Photo 2 of 3 : UCIP\_SP\_2017\_15725\_26180.jpg



Siphon breaker at headwall on WS.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	52 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423418 °	38.423418 °	
				-121.529486 °	-121.529486 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15725						
DS_ID:22796						
EP_NO: 10514						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 1 of 3: 3.5-inch discharge pipe through the levee 3.8 feet below the crown. Siphon breaker at headwall on the waterward slope. (Permit No. 10514, 1974)						
FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15725\_26179.jpg



Pipe with gate valve off LS toe.

LM Start	0.74	Rating **	M	Issue No.	53
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41556 DS_ID:22794 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel conduit through the levee 3.8 feet below the crown. 4.5-inch galvanized iron pipe sleeved through conduit with annular space grouted. Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_41556\_26160.jpg



Pump on pier for 4.5-inch pipe sleeved through 10-inch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	53 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423429 °	38.423429 °	
				-121.529491 °	-121.529491 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41556						
DS_ID:22794						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Good candidate for video inspection.						
FIELD_STRUCT_DESC: 10-inch steel conduit through the levee 3.8 feet below the crown. 4.5-inch galvanized iron pipe sleeved through conduit with annular space grouted. Originally included in the 1966 O&M manual.						
FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_41556\_26159.jpg



4.5-inch pipe at headwall on WS slope.

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>53 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_41556\_26158.jpg



4.5-inch pipe at headwall on WS slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	54
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423418 °	38.423418 °
				-121.529486 °	-121.529486 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41535					
DS_ID:22795					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipes appear abandoned and should be checked usage or abandoned properly.					
FIELD_STRUCT_DESC: 3.5-inch galvanized iron electrical conduit through the levee 3.8-feet below the crown. Concrete headwall and pad on WS slope. Pipe open on WS.					
FS Date: 7/12/2013					

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2017\_41535\_26167.jpg



Electrical conduit shown at bottom of picture (pipe with 90-degree bend).

Photo 2 of 2 : UCIP\_SP\_2017\_41535\_26166.jpg



3.5-inch electrical conduit shown at left of 10-inch pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	55
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.423429 °	38.423429 °
				-121.529491 °	-121.529491 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41070 DS_ID:22811 EP_NO: 10514 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly. FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee 3.0 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterward slope. Pipe has shutoff valve off LS toe (Permit No. 10514, 1974). FS Date: 7/12/2013					

LM Start	<b>0.74</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>0.74</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_41070\_26174.jpg



Pipe and slant pump on WS at concrete pad.

Photo 2 of 3 : UCIP\_SP\_2017\_41070\_26173.jpg



Pipe, walkway, and vent on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	55 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.423429 °	38.423429 °	
				-121.529491 °	-121.529491 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:41070						
DS_ID:22811						
EP_NO: 10514						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine disposition of pipe and if abandoned, it should be done so properly.						
FIELD_STRUCT_DESC: 2 of 3: 4.5-inch galvanized iron irrigation pipe through the levee 3.0 feet below the crown. Slant pump, steel walkway, and steel vent pipe on the waterward slope. Pipe has shutoff valve off LS toe (Permit No. 10514, 1974).						
FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_41070\_26175.jpg



Pipe with cap or gate valve on end off LS toe.

LM Start	0.75	Rating **	N	Issue No.	17
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.423560 °	38.423560 °
				-121.529653 °	-121.529653 °
DWR ID	DWR_RD0999_04_s_2012_17				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.82	Rating **	M	Issue No.	56
LM End	0.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.424399 °	38.424399 °
				-121.530178 °	-121.530178 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16389 DS_ID:22797 EP_NO: 1624 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3.0 feet below the crown. Pump and pile structure removed from waterside toe. Steel plate welded over WS end (Permit No. 1624, 1959). Replaces an existing facility north of this location. FS Date: 7/12/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_16389\_27669.jpg



Pipe with steel plate welded over WS end.

LM Start	<b>0.82</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>0.82</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2017\_16389\_27668.jpg



Pipe and vent/siphon breaker on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.82	Rating **	N	Issue No.	14
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424432 °	38.424432 °
				-121.530265 °	-121.530265 °
DWR ID	DWR_RD0999_04_s_2012_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.84	Rating **	N	Issue No.	9
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.424722 °	38.424722 °
				-121.530470 °	-121.530470 °
DWR ID	DWR_RD0999_04_s_2012_9				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	57
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16385 DS_ID:22809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 5 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Visible in concrete well on LS shoulder. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16385\_27655.jpg



Pipe in concrete vault on LS shoulder.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16385\_27654.jpg



Pipe in concrete vault on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	57 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.425514 °		38.425514 °
				-121.530970 °		-121.530970 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:16385 DS_ID:22809 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 5 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Visible in concrete well on LS shoulder. FS Date: 7/12/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_16385\_27653.jpg



Pipe assumed to be in concrete vault on WS shoulder.

LM Start	0.90	Rating **	M	Issue No.	58
LM End	0.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16386 DS_ID:22810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16386\_27661.jpg



Pipes visible in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.90	Rating **	M	Issue No.	58 (cont)	
LM End	0.90	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.425514 °		38.425514 °
				-121.530970 °		-121.530970 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:16386 DS_ID:22810 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder. FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_16386\_27660.jpg



Pipes visible in concrete well on LS shoulder.

LM Start	<b>0.90</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_16386\_27659.jpg



Assumed pipes are visible in concrete well on WS shoulder. Soil covers lid on concrete well.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	59
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15728 DS_ID:22806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15728\_26189.jpg



Pipes visible in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15728\_26188.jpg



Pipes visible in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	59 (cont)
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15728 DS_ID:22806 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS shoulder and likely in covered concrete well on WS shoulder. FS Date: 7/12/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15728\_26187.jpg



Assumed pipes are in concrete well on WS shoulder at same location.

LM Start	0.91	Rating **	M	Issue No.	60
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15727					
DS_ID:22799					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipes abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 1 of 6: 3.5-inch pipe through					
levee 2.5 feet below crown. Pipes visible in concrete well on LS					
shoulder. Concrete well on WS shoulder is visible, but access is					
covered with soil.					
FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15727\_26186.jpg



Pipes in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	60 (cont)	
LM End	0.91	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.425514 °	38.425514 °	
				-121.530970 °	-121.530970 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15727						
DS_ID:22799						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipes abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 6: 3.5-inch pipe through						
levee 2.5 feet below crown. Pipes visible in concrete well on LS						
shoulder. Concrete well on WS shoulder is visible, but access is						
covered with soil.						
FS Date: 7/12/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_15727\_26185.jpg



Pipes in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_15727\_26184.jpg



Assumed pipes inside concrete well on WS shoulder at same location.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	61
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16384 DS_ID:22807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 3 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulders. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16384\_27649.jpg



Pipe in concrete vault on WS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16384\_27648.jpg



Pipe in concrete vault on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	61 (cont)
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16384 DS_ID:22807 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 3 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulders. FS Date: 7/12/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_16384\_27647.jpg



Pipe assumed to be in concrete well on WS shoulder.

LM Start	0.91	Rating **	M	Issue No.	2
LM End	0.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.425607 °	38.425607 °
				-121.530937 °	-121.530937 °
DWR ID	DWR_RD0999_04_s_2012_2				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	62
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15733 DS_ID:22808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 4 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulder. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15733\_26197.jpg



Pipe in concrete well on LS shoulder.

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>62 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15733\_26196.jpg



Pipe in concrete well on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	62 (cont)
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.425514 °	38.425514 °
				-121.530970 °	-121.530970 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15733 DS_ID:22808 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 4 of 6: 3.5-inch pipe through levee 2.5 feet below crown. Pipe visible in concrete well on LS and WS shoulder. FS Date: 7/12/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15733\_26195.jpg



Pipe assumed visible in concrete well on WS shoulder.

LM Start	0.94	Rating **	M	Issue No.	3
LM End	0.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.425972 °	38.426500 °
				-121.531228 °	-121.531560 °
DWR ID	DWR_RD0999_04_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	0.99	Rating **	M	Issue No.	39
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.426644 °	38.426644 °
				-121.531675 °	-121.531675 °
DWR ID	DWR_RD0999_04_f_2015_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.00	Rating **	M	Issue No.	63
LM End	1.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.426709 °	38.426709 °
				-121.531725 °	-121.531725 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16387 DS_ID:22800 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch pipe through the levee 13.0 feet below the crown. Pipe measures 16-inches in diameter on WS and 24-inches on the LS toe. Gate valve in 9'X18' concrete well on the waterward slope. Slant pump missing from waterward slope. Concrete distribution house/box at LS toe. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 7/12/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16387\_27664.jpg



Slide gate in 9'X18' concrete box on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.00	Rating **	M	Issue No.	63 (cont)	
LM End	1.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.426709 °		38.426709 °
				-121.531725 °		-121.531725 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:16387 DS_ID:22800 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch pipe through the levee 13.0 feet below the crown. Pipe measures 16-inches in diameter on WS and 24-inches on the LS toe. Gate valve in 9'X18' concrete well on the waterward slope. Slant pump missing from waterward slope. Concrete distribution house/box at LS toe. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 7/12/2013						

LM Start	<b>1.00</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>1.00</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16387\_27663.jpg



Slant pump missing from pier on WS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_16387\_27662.jpg



9'X18' concrete box with gate valve on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.01	Rating **	U	Issue No.	16
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.426873 °	38.427295 °
				-121.531778 °	-121.532164 °
DWR ID	DWR_RD0999_04_f_2012_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries blocking view of landward toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00013.jpg

Looking southwest at dense vegetation on landward slope and toe.  
(Spring 2016)

LM Start	<b>1.01</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00014.jpg



Looking northwest at dense vines at landward toe. Fall 2015

LM Start	<b>1.01</b>	Rating **	U	Issue No.	<b>16 (cont)</b>
LM End	<b>1.04</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00015.jpg



Looking southwest at dense berry vines at landward toe. 2013

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.01	Rating **	U	Issue No.	16 (cont)	
LM End	1.04	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.426873 °		38.427295 °
				-121.531778 °		-121.532164 °
DWR ID	DWR_RD0999_04_f_2012_16					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Blackberries blocking view of landward toe.						

Photo 4 of 4 : SP\_2017\_RD0999\_235\_16\_20170314\_00016.jpg



Looking south at dense berryvines on landside toe. 2012

LM Start	1.10	Rating **	U	Issue No.	47
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.428152 °	38.428152 °
				-121.532502 °	-121.532502 °
DWR ID	DWR_RD0999_04_s_2017_47				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Small erosion just above rip rap on waterward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_47\_20170324\_00076.jpg



Looking downstream at erosion just above rock.

LM Start	<b>1.10</b>	Rating **	U	Issue No.	<b>47 (cont)</b>
LM End	<b>1.10</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_235\_47\_20170324\_00077.jpg



* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.10	Rating **	M	Issue No.	48
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.428152 °	38.428152 °
				-121.532502 °	-121.532502 °
DWR ID	DWR_RD0999_04_s_2017_48				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Runoff erosion on waterward slope.					

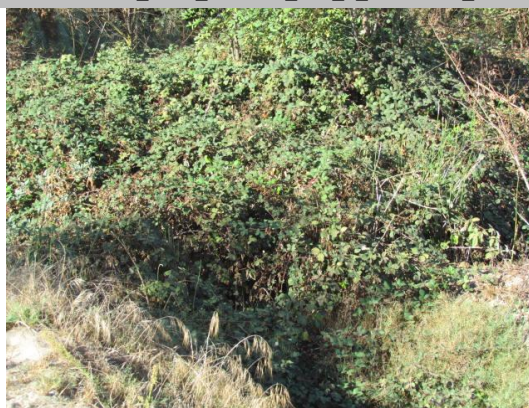
Photo 1 of 1 : SP\_2017\_RD0999\_235\_48\_20170324\_00078.jpg



Looking west at runoff erosion on waterward slope.

LM Start	1.15	Rating **	U	Issue No.	5
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.428823 °	38.428823 °
				-121.532885 °	-121.532885 °
DWR ID	DWR_RD0999_04_s_2012_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and wild roses on landside toe.					

Photo 1 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00002.jpg



Looking at dense vines at landward toe. Fall 2015.

LM Start	<b>1.15</b>	Rating **	U	Issue No.	<b>5 (cont)</b>
LM End	<b>1.15</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00003.jpg



Looking north at dense vegetation on landside slope near ramp.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.15	Rating **	U	Issue No.	5 (cont)	
LM End	1.15	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.428823 °		38.428823 °
				-121.532885 °		-121.532885 °
DWR ID	DWR_RD0999_04_s_2012_5					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berry vines and wild roses on landside toe.						

Photo 3 of 3 : SP\_2017\_RD0999\_235\_5\_20170314\_00004.jpg



Looking northwest at dense wild roses and berry vines on landside toe near ramp.

LM Start	1.16	Rating **	U	Issue No.	40
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.428877 °	38.428877 °
				-121.532922 °	-121.532922 °
DWR ID	DWR_RD0999_04_f_2015_40				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Large hole and erosion on landward shoulder, slope and toe.					

Photo 1 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00027.jpg



Looking east at erosion on landward shoulder and slope. (Spring 2016)

LM Start	<b>1.16</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00028.jpg



Looking east at erosion on landward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.	40 (cont)	
LM End	1.16	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.428877 °		38.428877 °
				-121.532922 °		-121.532922 °
DWR ID	DWR_RD0999_04_f_2015_40					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Large hole and erosion on landward shoulder, slope and toe.						

Photo 3 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00029.jpg



Looking west at caving at landward slope and toe.

LM Start	<b>1.16</b>	Rating **	U	Issue No.	<b>40 (cont)</b>
LM End	<b>1.16</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_235\_40\_20170314\_00030.jpg



Looking southwest at shoulder erosion and caving at landward slope and toe.

LM Start	1.18	Rating **	U	Issue No.	46
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.429201 °	38.429201 °
				-121.533012 °	-121.533012 °
DWR ID	DWR_RD0999_04_s_2016_46				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion located just below asphalt on waterward shoulder.					

Photo 1 of 2 : SP\_2017\_RD0999\_235\_46\_20170314\_00031.jpg



Looking west at foot erosion on waterward shoulder and slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	03/23/2017 03/23/2017	Richard Willoughby

LM Start	1.18	Rating **	U	Issue No.	46 (cont)	
LM End	1.18	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.429201 °	38.429201 °	
				-121.533012 °	-121.533012 °	
DWR ID	DWR_RD0999_04_s_2016_46					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Erosion located just below asphalt on waterward shoulder.						

Photo 2 of 2 : SP\_2017\_RD0999\_235\_46\_20170314\_00032.jpg



Looking south at foot erosion on waterward shoulder and slope.

LM Start	1.20	Rating **	M	Issue No.	22
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.429467 °	38.429750 °
				-121.533110 °	-121.533188 °
DWR ID	DWR_RD0999_04_f_2013_22				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_235\_22\_20170314\_00020.jpg



Looking south at dense trees on landward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles
Unit No. 05 Elk Slough	Right	9.48

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2017 - 3/23/2017			
DWR Inspector	Richard Willoughby			
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	4
LM End	9.48	Issue Type +	Ob	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.332643 °	38.414157 °
				-121.584449 °	-121.523156 °
DWR ID	DWR_RD0999_05_s _ 2016_4				
Comment Code					
Inspector Comment					
1997 - Most of lower Elk Slough contains high near vertical banks, with erosion into the levee slope. Channel almost appears incised. 2002 - Sites where the levee slope is near vertical and severely eroding. It could fail catastrophically. 2004 - Looks bad in terms of vertical slopes and fallen trees. 2005 - Banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2006 - Both banks are still over steepened in most places and potentially susceptible to geotechnical failures. 2010 - The entire reach is in poor condition, with severely eroding near vertical slopes, needs a regional repair. 2011 - Channel banks are still oversteepened with erosion continuing. 2012 - New cracks and animal holes observed. 2013 - Fresh erosion around pump structure. 2015: No observed changes. [2015 Site ID: ELK_0-2_R]					

No Photos

LM Start	0.00	Rating **	M	Issue No.	163
LM End	9.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332663 °	38.414112 °
				-121.584533 °	-121.523295 °
DWR ID	DWR_RD0999_05_s _ 2017_163				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	164
LM End	9.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.332663 °	38.414112 °
				-121.584533 °	-121.523295 °
DWR ID	DWR_RD0999_05_s_2017_164				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.02	Rating **	M	Issue No.	228
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.332875 °	38.332875 °
				-121.584529 °	-121.584529 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24439					
DS_ID:22838					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: *Abandoned* 10-inch pipe through levee 7.7 feet below crown (burned down pump house and valve closed) Service pole on the waterward slope (Unable to locate concrete distribution box 3/91). Originally included in the 1966 O&M manual. Located electromagnetically at this location.					
FS Date: 6/27/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	178
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.332946 °	38.333308 °
				-121.584502 °	-121.584494 °
DWR ID	DWR_RD0999_05_s_2015_178				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees under an inch in diameter on landward slope. Don't allow young trees to get established.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_178\_20170314\_00123.jpg



Looking at typical view of young oak trees on landward slope. (Spring 2015)

LM Start	0.04	Rating **	A/W	Issue No.	211
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.333160 °	38.333449 °
				-121.584481 °	-121.584431 °
DWR ID	DWR_RD0999_05_s_2016_211				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.10	Rating **	A/W	Issue No.	72
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334093 °	38.334093 °
				-121.584339 °	-121.584339 °
DWR ID	DWR_RD0999_05_f_2013_72				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove small oak trees from landward slope before trees are established.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_72\_20170314\_00060.jpg



Looking west at small oak trees on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.11	Rating **	U	Issue No.	165
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.334198 °	38.334327 °
				-121.584308 °	-121.584275 °
DWR ID	DWR_RD0999_05_s_2017_165				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Crack greater than two inches along top of half of waterward slope. Three dead trees along slope damage section. Trees should be removed.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00232.jpg



Looking at two inch plus crack on waterward shoulder.

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>165 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00233.jpg



Looking upstream at cracking along waterward shoulder.

LM Start	<b>0.11</b>	Rating **	U	Issue No.	<b>165 (cont)</b>
LM End	<b>0.12</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_165\_20170324\_00234.jpg



Looking downstream at crack along waterward shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.16	Rating **	A/W	Issue No.	179
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.334880 °	38.335881 °
				-121.584079 °	-121.583598 °
DWR ID	DWR_RD0999_05_s_2015_179				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	M	Issue No.	229
LM End	0.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.335568 °	38.335568 °
				-121.583780 °	-121.583780 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15411					
DS_ID:22839					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Walkway to pump on pier is falling appart and should be removed.					
FIELD_STRUCT_DESC: 12-inch pipe through levee 11.0 feet below crown. 10-inch pipe visible on slopes and at Slant pump on waterward slope (Pump on structure removed). Additional slant pump on WS slope ties into pipe at WS. 30-inch steel standpipe on LS toe. Butterfly valves located on both sides of levee. 3'X3' steel junction box on WS shoulder and a 31"X60" steel junction box on LS shoulder. Service pole on both slopes. Originally included in the 1966 O&M manual.					
FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15411\_25295.jpg



Pump and steel junction box visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.21	Rating **	M	Issue No.	229 (cont)	
LM End	0.21	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.335568 °	38.335568 °	
				-121.583780 °	-121.583780 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15411						
DS_ID:22839						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Walkway to pump on pier is falling appart and should be removed.						
FIELD_STRUCT_DESC: 12-inch pipe through levee 11.0 feet below crown. 10-inch pipe visible on slopes and at Slant pump on waterward slope (Pump on structure removed). Additional slant pump on WS slope ties into pipe at WS. 30-inch steel standpipe on LS toe. Butterfly valves located on both sides of levee. 3'X3' steel junction box on WS shoulder and a 31"X60" steel junction box on LS shoulder. Service pole on both slopes. Originally included in the 1966 O&M manual.						
FS Date: 6/27/2013						

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>229 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15411\_25294.jpg



2nd Pump visible on WS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_15411\_25293.jpg



Steel junction box, vent, butterfly valve, and standpipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.25	Rating **	C	Issue No.	1
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.336113 °	38.336663 °
				-121.583418 °	-121.583027 °
DWR ID	DWR_RD0999_05_s_2012_1				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.37	Rating **	U	Issue No.	8
LM End	0.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.337654 °	38.338790 °
				-121.582427 °	-121.582184 °
DWR ID	DWR_RD0999_05_s_2012_8				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_8\_20170314\_00005.jpg



Looking northwest at dense vegetation on landward slope. (Fall 2016)

LM Start	<b>0.37</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.45</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_8\_20170314\_00006.jpg



Looking northwest at dense vegetation on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.37	Rating **	M	Issue No.	3
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.337697 °	38.337963 °
				-121.582420 °	-121.582352 °
DWR ID	DWR_RD0999_05_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.37	Rating **	U	Issue No.	53
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.337753 °	38.337753 °
				-121.582445 °	-121.582445 °
DWR ID	DWR_RD0999_05_s_2012_53				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_53\_20170314\_00047.jpg



Looking west at dense vegetation on landward slope.

LM Start	0.40	Rating **	U	Issue No.	25
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.338075 °	38.338688 °
				-121.582322 °	-121.582193 °
DWR ID	DWR_RD0999_05_s_2012_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows within vegetation area.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_25\_20170314\_00024.jpg



Looking southwest at dense vegetation (willows) on landward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.44	Rating **	C	Issue No.	26
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.338647 °	38.338868 °
				-121.582217 °	-121.582163 °
DWR ID	DWR_RD0999_05_s_2012_26				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	A/W	Issue No.	135
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.339510 °	38.339510 °
				-121.582081 °	-121.582081 °
DWR ID	DWR_RD0999_05_f_2013_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	230
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.339607 °	38.339607 °
				-121.582091 °	-121.582091 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15413 DS_ID:22840 EP_NO: 6081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 3.3 feet below crown. Pump and butterfly valve in pump house on waterward slope. Vent in 10-inch steel standpipe on LS slope (Permit No. 6081,1968). Replaces an existing 10-inch pipe. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15413\_25304.jpg



Pump in pumphouse on WSs slope.

LM Start	<b>0.50</b>	Rating **	M	Issue No.	<b>230 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15413\_25303.jpg



Butterfly valve at pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.50	Rating **	M	Issue No.	230 (cont)	
LM End	0.50	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.339607 °		38.339607 °
				-121.582091 °		-121.582091 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15413 DS_ID:22840 EP_NO: 6081 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some settlement along LS and WS slopes. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel pipe through levee 3.3 feet below crown. Pump and butterfly valve in pump house on waterward slope. Vent in 10-inch steel standpipe on LS slope (Permit No. 6081,1968). Replaces an existing 10-inch pipe. FS Date: 6/27/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15413\_25302.jpg



Vent in 10-inch riser on LS slope.

LM Start	0.54	Rating **	M	Issue No.	7
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340070 °	38.340623 °
				-121.581980 °	-121.581872 °
DWR ID	DWR_RD0999_05_s_2012_7				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.54	Rating **	M	Issue No.	27
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340124°	38.340560°
				-121.582039°	-121.581905°
DWR ID	DWR_RD0999_05_s_2012_27				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	M	Issue No.	231
LM End	0.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.340651 °	38.340651 °
				-121.581861 °	-121.581861 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15414 DS_ID:22841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 16-inch pipe through levee 6.0 feet below crown. Concrete pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15414\_25308.jpg



Pipe visible inside abandoned pumphouse on WS slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.58	Rating **	M	Issue No.	231 (cont)
LM End	0.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.340651 °	38.340651 °
				-121.581861 °	-121.581861 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15414 DS_ID:22841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 16-inch pipe through levee 6.0 feet below crown. Concrete pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 2 of 3 : UCIP\_SP\_2017\_15414\_25307.jpg



Pipe visible on WS slope.

LM Start	<b>0.58</b>	Rating **	M	Issue No.	<b>231 (cont)</b>
LM End	<b>0.58</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_15414\_25306.jpg



Pipe may be aligned with concrete standpipe at LS toe, but no pipe is visible on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.60	Rating **	M	Issue No.	98
LM End	0.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.340919 °	38.340919 °
				-121.581716 °	-121.581716 °
DWR ID	DWR_RD0999_05_s_2012_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	U	Issue No.	189
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.342032 °	38.342032 °
				-121.581372 °	-121.581372 °
DWR ID	DWR_RD0999_05_f_2014_189				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense wild grapevines on landward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_189\_20170314\_00129.jpg



Looking southwest at dense vegetation on landward slope and toe. (Fall 2016)

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>189 (cont)</b>
LM End	<b>0.68</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_189\_20170314\_00130.jpg



Looking northwest at dense vegetation on landward slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.69	Rating **	M	Issue No.	9
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.342180 °	38.342537 °
				-121.581230 °	-121.581263 °
DWR ID	DWR_RD0999_05_s_2012_9				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.70	Rating **	U	Issue No.	170
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.342288 °	38.342288 °
				-121.581278 °	-121.581278 °
DWR ID	DWR_RD0999_05_f_2015_170				
Comment Code					
BU : Building					
Inspector Comment					
Toolshed at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_170\_20170314\_00111.jpg



Looking at the toolshed at the landward toe.

LM Start	0.71	Rating **	U	Issue No.	166
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.342483 °	38.342483 °
				-121.581235 °	-121.581235 °
DWR ID	DWR_RD0999_05_s_2017_166				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree fallen on waterward slope. Left hole on waterward slope 10 to 12 inches.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00236.jpg



Looking at hole left by fallen tree on waterward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.71	Rating **	U	Issue No.	166 (cont)	
LM End	0.71	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.342483 °	38.342483 °	
				-121.581235 °	-121.581235 °	
DWR ID	DWR_RD0999_05_s_2017_166					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Dead tree fallen on waterward slope. Left hole on waterward slope 10 to 12 inches.						

Photo 2 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00235.jpg



Looking east at fallen tree on waterward slope.

LM Start	<b>0.71</b>	Rating **	U	Issue No.	<b>166 (cont)</b>
LM End	<b>0.71</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_166\_20170324\_00237.jpg



Looking downstream at fallen tree on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.72	Rating **	M	Issue No.	232
LM End	0.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.342653 °	38.342653 °
				-121.581236 °	-121.581236 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15450 DS_ID:22842 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 6-inch pipe through levee 11.5 feet below crown. Pump and gate valve in pump house on the waterward slope. 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_15450\_25386.jpg



Pumphouse on WS slope with electrical conduit shown.

LM Start	<b>0.72</b>	Rating **	M	Issue No.	<b>232 (cont)</b>
LM End	<b>0.72</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2017\_15450\_25385.jpg



Pipe rusted through at gatevalve inside pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.75	Rating **	M	Issue No.	10
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343058 °	38.345210 °
				-121.581263 °	-121.580713 °
DWR ID	DWR_RD0999_05_s_2012_10				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.77	Rating **	U	Issue No.	23
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.343358 °	38.343358 °
				-121.581295 °	-121.581295 °
DWR ID	DWR_RD0999_05_f_2012_23				
Comment Code					
BU : Building					
Inspector Comment					
Storage shed at landside toe and within the 10' easement.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_23\_20170314\_00021.jpg



Looking northwest at abandoned storage shed at landward toe. (Spring 2015)

LM Start	<b>0.77</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>0.77</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_23\_20170314\_00022.jpg



Looking northwest at storage shed at landside toe and within the 10' easement.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.78	Rating **	M	Issue No.	128
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.343495 °	38.343495 °
				-121.581282 °	-121.581282 °
DWR ID	DWR_RD0999_05_s_2012_128				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_128\_20170314\_00085.jpg



Looking northwest at untrimmed trees on landward slope. (Spring 2015)

LM Start	<b>0.78</b>	Rating **	M	Issue No.	<b>128 (cont)</b>
LM End	<b>0.78</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_128\_20170314\_00086.jpg



Looking at dense trees on landside slope and toe.

LM Start	0.79	Rating **	U	Issue No.	190
LM End	0.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343606 °	38.343606 °
				-121.581279 °	-121.581279 °
DWR ID	DWR_RD0999_05_f_2014_190				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_190\_20170314\_00131.jpg



Looking west at dense vegetation on landward slope and toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.80	Rating **	U	Issue No.	11
LM End	0.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.343825 °	38.345215 °
				-121.581133 °	-121.580728 °
DWR ID	DWR_RD0999_05_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_11\_20170314\_00013.jpg



View of landscaping (Ivy) looking upstream.

LM Start	<b>0.80</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>0.90</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_11\_20170314\_00014.jpg



View of landscaping (Ivy) blocking view of landside slope from.

LM Start	0.91	Rating **	M	Issue No.	13
LM End	1.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.345402 °	38.347133 °
				-121.580655 °	-121.579573 °
DWR ID	DWR_RD0999_05_s_2012_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

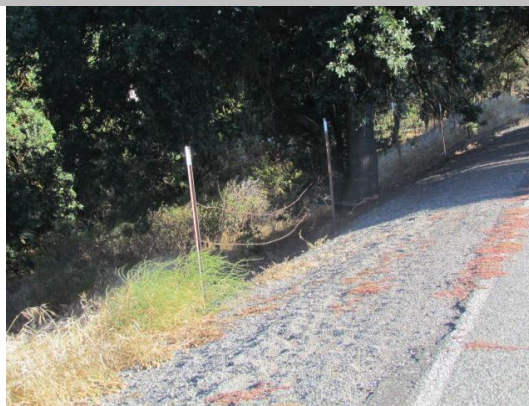
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	0.93	Rating **	M	Issue No.	197
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.345564 °	38.345844 °
				-121.580614 °	-121.580458 °
DWR ID	DWR_RD0999_05_f_2014_197				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.99	Rating **	M	Issue No.	136
LM End	1.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.346402 °	38.346800 °
				-121.580102 °	-121.579878 °
DWR ID	DWR_RD0999_05_f_2013_136				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_136\_20170314\_00092.jpg



Looking northwest at fence on landward slope.

LM Start	1.00	Rating **	M	Issue No.	180
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.346477 °	38.346864 °
				-121.580086 °	-121.579864 °
DWR ID	DWR_RD0999_05_s_2015_180				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.04	Rating **	M	Issue No.	146
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347067 °	38.347331 °
				-121.579735 °	-121.579582 °
DWR ID	DWR_RD0999_05_f_2013_146				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.07	Rating **	U	Issue No.	14
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.347427 °	38.347863 °
				-121.579395 °	-121.579113 °
DWR ID	DWR_RD0999_05_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_14\_20170314\_00015.jpg



Looking west at untrimmed trees on landward slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	233
LM End	1.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.348113 °	38.348113 °
				-121.578841 °	-121.578841 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16336 DS_ID:23964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be removed. FIELD_STRUCT_DESC: *Abandoned*10-inch steel irrigation pipe through levee 6.5-feet below crown. Pipe extends under metal walkway on WS shoulder. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_16336\_27532.jpg



Pipe visible on LS shoulder.

LM Start	<b>1.13</b>	Rating **	M	Issue No.	<b>233 (cont)</b>
LM End	<b>1.13</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2017\_16336\_27531.jpg



Pipe visible beneath 10-inch pipe that is currently in use. No connection.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.15	Rating **	U	Issue No.	15
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348237 °	38.348328 °
				-121.578440 °	-121.577735 °
DWR ID	DWR_RD0999_05_s_2012_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_15\_20170314\_00016.jpg



Looking north at untrimmed trees on landward slope and toe.

LM Start	1.18	Rating **	M	Issue No.	169
LM End	1.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348339 °	38.348339 °
				-121.577840 °	-121.577840 °
DWR ID	DWR_RD0999_05_f_2016_169				
Comment Code					
GA : Garbage					
Inspector Comment					
Boat stored on landward side.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_169\_20170314\_00016.jpg



Looking southwest at boat on landward slope.

LM Start	1.19	Rating **	U	Issue No.	147
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348329 °	38.348329 °
				-121.577740 °	-121.577740 °
DWR ID	DWR_RD0999_05_f_2013_147				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_147\_20170314\_00097.jpg



Looking northwest at untrimmed trees on landward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

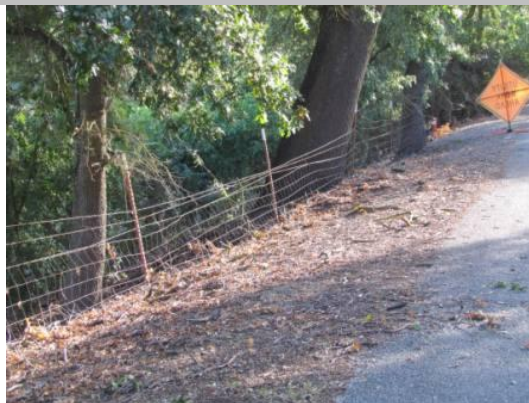
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.20	Rating **	M	Issue No.	76
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348336 °	38.348332 °
				-121.577621 °	-121.577172 °
DWR ID	DWR_RD0999_05_s_2012_76				
Comment Code					
FE : Fence					
Inspector Comment					
Fence is located on landside shoulder.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_76\_20170314\_00061.jpg



Looking north at fence along landside slope.

LM Start	1.25	Rating **	M	Issue No.	171
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348319 °	38.348319 °
				-121.576566 °	-121.576566 °
DWR ID	DWR_RD0999_05_f_2015_171				
Comment Code					
EQ : Equipment					
Inspector Comment					
Old farm equipment on landward slope					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_171\_20170314\_00112.jpg



Looking at farm equipment on landward slope.

LM Start	1.27	Rating **	U	Issue No.	172
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.348304 °	38.348304 °
				-121.576207 °	-121.576207 °
DWR ID	DWR_RD0999_05_f_2015_172				
Comment Code					
BU : Building					
Inspector Comment					
Toolshed excavated into landward toe.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_172\_20170314\_00113.jpg



Looking southwest at toolshed at landward toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.27	Rating **	U	Issue No.	172 (cont)	
LM End	1.27	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.348304 °		38.348304 °
				-121.576207 °		-121.576207 °
DWR ID	DWR_RD0999_05_f_2015_172					
Comment Code						
BU : Building						
Inspector Comment						
Toolshed excavated into landward toe.						

Photo 2 of 3 : SP\_2017\_RD0999\_236\_172\_20170314\_00114.jpg



Looking west at toolshed at landward toe.

LM Start	<b>1.27</b>	Rating **	U	Issue No.	<b>172 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_172\_20170314\_00115.jpg



Looking at northwest at toolshed at landward toe.

LM Start	1.28	Rating **	U	Issue No.	2
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348278 °	38.348188 °
				-121.576078 °	-121.574690 °
DWR ID	DWR_RD0999_05_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Control landscaping on landward slope. Landowner has trimmed landscaping. But has not removed century plant on landward shoulder.					

Photo 1 of 4 : SP\_2017\_RD0999\_236\_2\_20170314\_00001.jpg



Looking southwest at dense cactus plants on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.28	Rating **	U	Issue No.	2 (cont)	
LM End	1.36	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.348278 °		38.348188 °
				-121.576078 °		-121.574690 °
DWR ID	DWR_RD0999_05_s_2012_2					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Control landscaping on landward slope. Landowner has trimmed landscaping. But has not removed century plant on landward shoulder.						

LM Start	<b>1.28</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.36</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2017\_RD0999\_236\_2\_20170314\_00002.jpg



Looking south at landscaping on landward slope.

Photo 3 of 4 : SP\_2017\_RD0999\_236\_2\_20170314\_00003.jpg



Looking northwest at landscaping on landward slope.

LM Start	<b>1.28</b>	Rating **	U	Issue No.	<b>2 (cont)</b>
LM End	<b>1.36</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_236\_2\_20170314\_00004.jpg



Looking south at landward slope. (Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	36
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348252 °	38.348252 °
				-121.575704 °	-121.575704 °
DWR ID	DWR_RD0999_05_s_2012_36				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	198
LM End	1.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348133 °	38.348133 °
				-121.574319 °	-121.574319 °
DWR ID	DWR_RD0999_05_f_2014_198				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.38	Rating **	M	Issue No.	149
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348149 °	38.348111 °
				-121.574248 °	-121.573699 °
DWR ID	DWR_RD0999_05_f_2013_149				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large cactus plants on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_149\_20170314\_00098.jpg



Looking northwest at several cactus plants on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	129
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.348100 °	38.348100 °
				-121.574075 °	-121.574075 °
DWR ID	DWR_RD0999_05_s_2012_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berry vines and century plants on landside toe and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_129\_20170314\_00087.jpg



Looking southwest at berry vines on landward slope.

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>1.39</b>	Issue Type +	Ma	Location *	LS

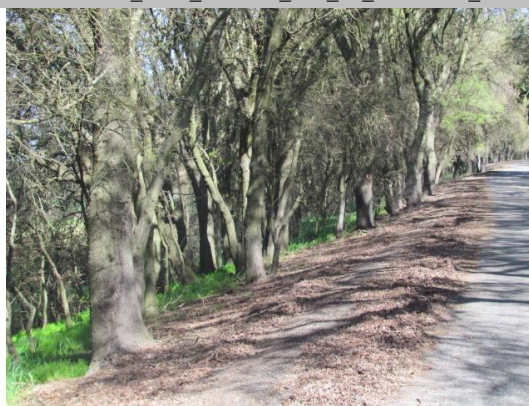
Photo 2 of 2 : SP\_2017\_RD0999\_236\_129\_20170314\_00088.jpg



Looking west at century plants on landward slope.

LM Start	1.46	Rating **	U	Issue No.	18
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.348670 °	38.353852 °
				-121.573320 °	-121.573570 °
DWR ID	DWR_RD0999_05_s_2012_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_18\_20170314\_00020.jpg



Looking east at dense trees on landward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	19
LM End	1.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.349152 °	38.349582 °
				-121.573493 °	-121.573538 °
DWR ID	DWR_RD0999_05_s_2012_19				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.55	Rating **	A/W	Issue No.	20
LM End	1.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.349835 °	38.350717 °
				-121.573643 °	-121.573887 °
DWR ID	DWR_RD0999_05_s_2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.69	Rating **	U	Issue No.	199
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.351957 °	38.351957 °
				-121.574096 °	-121.574096 °
DWR ID	DWR_RD0999_05_f_2014_199				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_199\_20170314\_00138.jpg



Looking northwest at dense vegetation on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.70	Rating **	M	Issue No.	21
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.352088 °	38.352968 °
				-121.574052 °	-121.574008 °
DWR ID	DWR_RD0999_05_s_2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.83	Rating **	M	Issue No.	234
LM End	1.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353864 °	38.353864 °
				-121.573577 °	-121.573577 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15421 DS_ID:22847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_15421\_25323.jpg



Pipe and pump remnants on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	1.83	Rating **	M	Issue No.	234 (cont)
LM End	1.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.353864 °	38.353864 °
				-121.573577 °	-121.573577 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15421 DS_ID:22847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 4.7 feet below crown. Pump house on the waterward slope. Both ends open. Originally included in the 1966 O&M manual. FS Date: 6/27/2013					

Photo 2 of 2 : UCIP\_SP\_2017\_15421\_25322.jpg



Pipe visible on LS slope.

LM Start	2.01	Rating **	U	Issue No.	167
LM End	2.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.355572 °	38.355572 °
				-121.571268 °	-121.571268 °
DWR ID	DWR_RD0999_05_s_2017_167				
Comment Code					
PO : Pole					
Inspector Comment					
Poles 30 to 36 inches deep on waterward shoulder cracks along shoulder near poles. Several locations along waterward shoulder.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_167\_20170324\_00238.jpg



Looking downstream at wooden poles on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0999 Netherlands

Looking at 3-4 ft hole for pole on waterward shoulder.

Looking south at black sprinkler lines at landward toe.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	2.14	Rating **	M	Issue No.	24
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.355402 °	38.355282 °
				-121.568893 °	-121.568547 °
DWR ID	DWR_RD0999_05_s_2012_24				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_24\_20170314\_00023.jpg



Looking west at dense trees on landward slope. (Spring 2015)

LM Start	2.28	Rating **	M	Issue No.	40
LM End	2.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354474 °	38.354555 °
				-121.566701 °	-121.566191 °
DWR ID	DWR_RD0999_05_s_2012_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.36	Rating **	M	Issue No.	42
LM End	2.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.354916 °	38.355982 °
				-121.565167 °	-121.563561 °
DWR ID	DWR_RD0999_05_s_2012_42				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	2.51	Rating **	M	Issue No.	82
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.356270 °	38.358132 °
				-121.563218 °	-121.562347 °
DWR ID	DWR_RD0999_05_s_2012_82				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_82\_20170314\_00066.jpg



Looking northwest at dense trees on landward slope. (Spring 2015)

LM Start	2.70	Rating **	A/W	Issue No.	73
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.358888 °	38.358888 °
				-121.562280 °	-121.562280 °
DWR ID	DWR_RD0999_05_s_2012_73				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.86	Rating **	M	Issue No.	152
LM End	3.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.361047 °	38.364409 °
				-121.563113 °	-121.561941 °
DWR ID	DWR_RD0999_05_f_2013_152				
Comment Code					
DT : Ditch					
Inspector Comment					
Irrigation ditch has been in place for several years at landward toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_152\_20170314\_00099.jpg



Looking north at abandoned irrigation ditch at landward toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	2.87	Rating **	M	Issue No.	29
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.361268 °	38.364373 °
				-121.563263 °	-121.561947 °
DWR ID	DWR_RD0999_05_s _ 2012_29				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.93	Rating **	M	Issue No.	168
LM End	2.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.362083 °	38.362083 °
				-121.563365 °	-121.563365 °
DWR ID	DWR_RD0999_05_s _ 2017_168				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterward slope and shoulder.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	235
LM End	3.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.363420 °	38.363420 °
				-121.563102 °	-121.563102 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50093  
DS\_ID:22849  
EP\_NO: 7378  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/07/2016 - LS toe of levee still has erosion around stand pipe and adjacent oak tree. Erosion does not appear to be any worse than during previous inspection. no water in canal on LS toe led to the discovery of two additional appurtenant structures. (T. Hatch/UCIP)06/28/2013 - Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe through the levee, 6 feet below the crown. Slant pump and service pole on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe (Permit No. 7378, 1971 - Volz). Replaced an existing 8-inch pipe at the same location. [Additional Reference(s): DWR Levee Logs, 1992].  
FS Date: 7/7/2016

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>235 (cont)</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50093\_25332.jpg



Slant pump, JP, and meter on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_50093\_25331.jpg



Slant pump and pipe on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	235 (cont)	
LM End	3.02	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.363420 °		38.363420 °
				-121.563102 °		-121.563102 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50093 DS_ID:22849 EP_NO: 7378 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - LS toe of levee still has erosion around stand pipe and adjacent oak tree. Erosion does not appear to be any worse than during previous inspection. no water in canal on LS toe led to the discovery of two additional appurtenant structures. (T. Hatch/UCIP)06/28/2013 - Pipe outlet is eroding the LS slope of the levee, exposing the roots of an oak and threatening greater damage if allowed to continue. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6 feet below the crown. Slant pump and service pole on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS) toe (Permit No. 7378, 1971 - Volz). Replaced an existing 8-inch pipe at the same location. [Additional Reference(s): DWR Levee Logs, 1992]. FS Date: 7/7/2016						

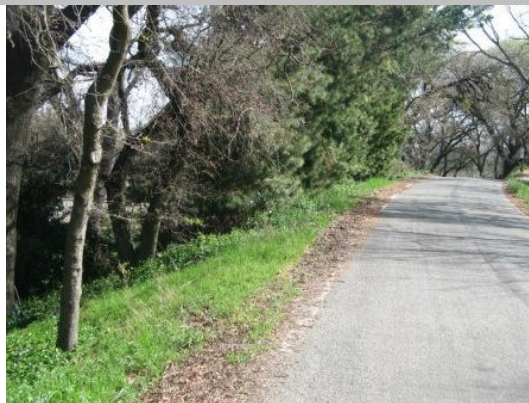
Photo 3 of 3 : UCIP\_SP\_2017\_50093\_25330.jpg



36-inch concrete standpipe on LS toe.

LM Start	3.12	Rating **	M	Issue No.	31
LM End	3.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.364392 °	38.364597 °
				-121.561882 °	-121.561087 °
DWR ID	DWR_RD0999_05_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_31\_20170314\_00027.jpg



Looking downstream of landscaping blocking view of landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.21	Rating **	M	Issue No.	153
LM End	4.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.364694 °	38.372513 °
				-121.560209 °	-121.552538 °
DWR ID	DWR_RD0999_05_f_2013_153				
Comment Code					
DT : Ditch					
Inspector Comment					
Adandoned irrigation ditch at landward toe.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_153\_20170314\_00100.jpg



Looking north at old irrigation ditch at landward toe.

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>153 (cont)</b>
LM End	<b>4.22</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2017\_RD0999\_236\_153\_20170314\_00101.jpg



Looking south at irrigation ditch at landward toe.

LM Start	<b>3.21</b>	Rating **	M	Issue No.	<b>153 (cont)</b>
LM End	<b>4.22</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_153\_20170314\_00102.jpg



Looking north at irrigation ditch at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.22	Rating **	M	Issue No.	191
LM End	3.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.364698 °	38.366911 °
				-121.560158 °	-121.556784 °
DWR ID	DWR_RD0999_05_s_2014_191				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	3.22	Rating **	A/W	Issue No.	33
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364552 °	38.364225 °
				-121.560137 °	-121.558852 °
DWR ID	DWR_RD0999_05_s_2012_33				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.39	Rating **	U	Issue No.	213
LM End	3.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.363906 °	38.363906 °
				-121.557220 °	-121.557220 °
DWR ID	DWR_RD0999_05_s_2016_213				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_213\_20170314\_00150.jpg



Looking northwest at untrimmed trees on landward toe. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.39	Rating **	U	Issue No.	213 (cont)	
LM End	3.39	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.363906 °		38.363906 °
				-121.557220 °		-121.557220 °
DWR ID	DWR_RD0999_05_s_2016_213					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_213\_20170314\_00151.jpg



Looking northwest at untrimmed trees at landward toe. (Spring 2016)

LM Start	3.44	Rating **	A/W	Issue No.	34
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.364113 °	38.364542 °
				-121.556507 °	-121.556402 °
DWR ID	DWR_RD0999_05_s_2012_34				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.55	Rating **	M	Issue No.	83
LM End	3.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.365711 °	38.367107 °
				-121.556714 °	-121.556745 °
DWR ID	DWR_RD0999_05_s_2012_83				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_83\_20170314\_00067.jpg



Looking north at fence along waterside shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

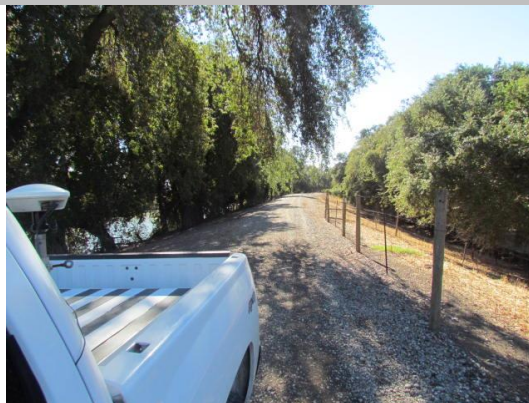
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.56	Rating **	M	Issue No.	173
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.365882 °	38.365882 °
				-121.556762 °	-121.556762 °
DWR ID	DWR_RD0999_05_f_2015_173				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_173\_20170314\_00116.jpg



Looking at the tree overhanging the levee crown.

LM Start	3.58	Rating **	M	Issue No.	202
LM End	3.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.366100 °	38.367043 °
				-121.556831 °	-121.556772 °
DWR ID	DWR_RD0999_05_f_2014_202				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Landowner installed sprinkler system on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_202\_20170314\_00142.jpg



Looking west at one of several sprinklers installed on landward slope.

LM Start	3.58	Rating **	M	Issue No.	201
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.366103 °	38.367035 °
				-121.556820 °	-121.556781 °
DWR ID	DWR_RD0999_05_f_2014_201				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Landowner has planted oak trees and installed sprinklers on landward slope. Oak trees should be removed.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_201\_20170314\_00140.jpg



Looking northwest at several small oak trees planted along landward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

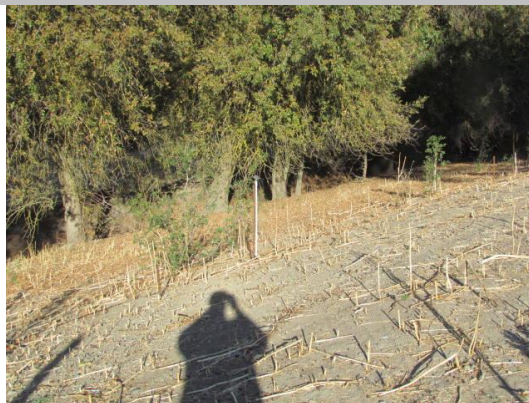
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.58	Rating **	M	Issue No.	201 (cont)	
LM End	3.64	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.366103 °		38.367035 °
				-121.556820 °		-121.556781 °
DWR ID	DWR_RD0999_05_f_2014_201					
Comment Code						
T2 : Thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Landowner has planted oak trees and installed sprinklers on landward slope. Oak trees should be removed.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_201\_20170314\_00141.jpg



Looking west a several small oak trees planted on landward slope.

LM Start	3.64	Rating **	M	Issue No.	16
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.366958 °	38.366958 °
				-121.556822 °	-121.556822 °
DWR ID	DWR_RD0999_05_s_2012_16				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment stored at landward toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_16\_20170314\_00017.jpg



Looking northwest at equipment on landside toe.

LM Start	<b>3.64</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>3.64</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_16\_20170314\_00018.jpg



Looking west at equipment at landside toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.67	Rating **	M	Issue No.	236
LM End	3.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367469 °	38.367469 °
				-121.556509 °	-121.556509 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16337					
DS_ID:23965					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit No. for this crossing.					
FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through levee 2-feet below crown. Pump on pier on WS with butterfly valve. Filter plant and siphon breaker on LS toe 1.5-inch galvanized iron electrical at same location.					
FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16337\_27535.jpg



Pump on pier at WS.

LM Start	<b>3.67</b>	Rating **	M	Issue No.	<b>236 (cont)</b>
LM End	<b>3.67</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16337\_27534.jpg



1.5-inch galvanized iron electrical conduit at same location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.67	Rating **	M	Issue No.	236 (cont)
LM End	3.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.367469 °	38.367469 °
				-121.556509 °	-121.556509 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16337					
DS_ID:23965					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit No. for this crossing.					
FIELD_STRUCT_DESC: 9-inch steel irrigation pipe through levee 2-feet below crown. Pump on pier on WS with butterfly valve. Filter plant and siphon breaker on LS toe 1.5-inch galvanized iron electrical at same location.					
FS Date: 6/28/2013					

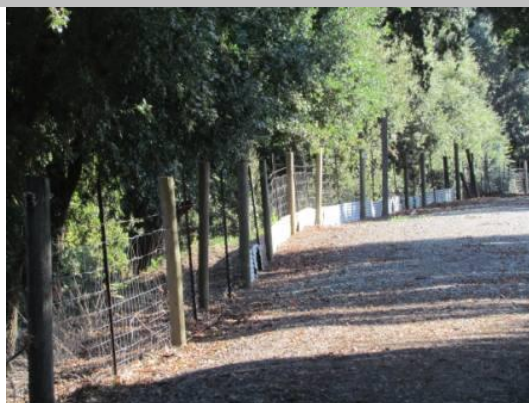
Photo 3 of 3 : UCIP\_SP\_2017\_16337\_27533.jpg



Siphon breaker and filter plant on LS toe.

LM Start	3.68	Rating **	M	Issue No.	85
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.367500 °	38.367997 °
				-121.556478 °	-121.555348 °
DWR ID	DWR_RD0999_05_s_2012_85				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing is for livestock.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_85\_20170314\_00068.jpg



Looking north at fence along landside shoulder.

\* Location  
 LS : Land Side N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable N : Not Inspected/Rated  
 M : Minimally Acceptable C : Corrected  
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.68	Rating **	M	Issue No.	85 (cont)	
LM End	3.75	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.367500 °		38.367997 °
				-121.556478 °		-121.555348 °
DWR ID	DWR_RD0999_05_s_2012_85					
Comment Code						
FE : Fence						
Inspector Comment						
Fencing is for livestock.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_85\_20170314\_00069.jpg



Looking west at animal shelter within animal pen on landward slope.

LM Start	3.70	Rating **	M	Issue No.	84
LM End	3.74	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.367644 °	38.367971 °
				-121.556012 °	-121.555431 °
DWR ID	DWR_RD0999_05_s_2012_84				
Comment Code					
FE : Fence					
Inspector Comment					
Fencing is for livestock.					

No Photos

LM Start	3.80	Rating **	M	Issue No.	174
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.368207 °	38.368207 °
				-121.554360 °	-121.554360 °
DWR ID	DWR_RD0999_05_f_2015_174				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree branch and limbs on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_174\_20170314\_00117.jpg



Looking at downed tree branch on waterward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.88	Rating **	U	Issue No.	17
LM End	3.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.368307 °	38.368307 °
				-121.552955 °	-121.552955 °
DWR ID	DWR_RD0999_05_s_2012_17				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landward toe and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_17\_20170324\_00241.jpg



Looking northwest at large pruning pile on landward slope. (Spring 2017)

LM Start	<b>3.88</b>	Rating **	U	Issue No.	<b>17 (cont)</b>
LM End	<b>3.88</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_17\_20170314\_00019.jpg



Looking northwest at large pruning pile on landward slope. (Fall 2016)

LM Start	3.93	Rating **	M	Issue No.	210
LM End	3.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.368749 °	38.368749 °
				-121.552463 °	-121.552463 °
DWR ID	DWR_RD0999_05_f_2016_210				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	3.94	Rating **	U	Issue No.	175
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.368928 °	38.368928 °
				-121.552473 °	-121.552473 °
DWR ID	DWR_RD0999_05_f_2015_175				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin or remove young tree from landward shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_175\_20170314\_00118.jpg



Looking west at untrimmed trees along fence line on landward slope.  
(Fall 2016)

LM Start	<b>3.94</b>	Rating **	U	Issue No.	<b>175 (cont)</b>
LM End	<b>3.94</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_175\_20170314\_00119.jpg



Looking at young trees on waterward shoulder and slope. (Spring 2016)

LM Start	3.98	Rating **	U	Issue No.	41
LM End	4.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.369440 °	38.370398 °
				-121.552747 °	-121.553373 °
DWR ID	DWR_RD0999_05_s_2012_41				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Control oak saplings on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_41\_20170314\_00034.jpg



Looking northeast at untrimmed trees on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.25	Rating **	U	Issue No.	12
LM End	4.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.372872 °	38.372872 °
				-121.552185 °	-121.552185 °
DWR ID	DWR_RD0999_05_s_2017_12				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large slough on waterward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_12\_20170324\_00242.jpg



Looking downstream at finger erosion on downstream side of slough.

LM Start	<b>4.25</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>4.25</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_12\_20170324\_00243.jpg



LM Start	4.29	Rating **	C	Issue No.	55
LM End	4.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373517 °	38.373517 °
				-121.551867 °	-121.551867 °
DWR ID	DWR_RD0999_05_s_2012_55				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Century plant on waterside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.30	Rating **	A/W	Issue No.	44
LM End	4.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.373625 °	38.373907 °
				-121.551787 °	-121.551607 °
DWR ID	DWR_RD0999_05_s_2012_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner complies with Board standards.					

LM Start	<b>4.30</b>	Rating **	A/W	Issue No.	<b>44 (cont)</b>
LM End	<b>4.33</b>	Issue Type +	En	Location *	LS

Photo 1 of 4 : SP\_2017\_RD0999\_236\_44\_20170314\_00037.jpg



Looking south at corrected landscaping on landward slope.

Photo 2 of 4 : SP\_2017\_RD0999\_236\_44\_20170314\_00038.jpg



Looking north at corrected landscaping on landward slope.

LM Start	<b>4.30</b>	Rating **	A/W	Issue No.	<b>44 (cont)</b>
LM End	<b>4.33</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_236\_44\_20170314\_00039.jpg



Looking north at landscaping on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.30	Rating **	A/W	Issue No.	44 (cont)	
LM End	4.33	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.373625 °		38.373907 °
				-121.551787 °		-121.551607 °
DWR ID	DWR_RD0999_05_s_2012_44					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Landowner complies with Board standards.						

Photo 4 of 4 : SP\_2017\_RD0999\_236\_44\_20170314\_00040.jpg



Overgrown landscaping on landside slope blocking view of slope.

LM Start	4.35	Rating **	C	Issue No.	45
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374160 °	38.374410 °
				-121.551408 °	-121.551157 °
DWR ID	DWR_RD0999_05_s_2012_45				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.36	Rating **	M	Issue No.	237
LM End	4.36	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.374376 °	38.374376 °
				-121.551201 °	-121.551201 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16338 DS_ID:23966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This crossing should be permitted or removed. FIELD_STRUCT_DESC: 2-inch plastic water line through the levee 6-inch below the crown. Portable pump on the WS toe. FS Date: 6/28/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_16338\_27538.jpg



Flex pipe through the levee 6-inches below the crown with portable pump on WS toe.

LM Start	<b>4.36</b>	Rating **	M	Issue No.	<b>237 (cont)</b>
LM End	<b>4.36</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2017\_16338\_27537.jpg



Flex pipe visible on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.37	Rating **	M	Issue No.	56
LM End	4.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.374410 °	38.374410 °
				-121.551173 °	-121.551173 °
DWR ID	DWR_RD0999_05_s_2012_56				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_56\_20170314\_00049.jpg



Looking northwest at cactus on landside shoulder and slope. (Spring 2012)

LM Start	4.42	Rating **	A/W	Issue No.	57
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.374866 °	38.375061 °
				-121.550491 °	-121.549800 °
DWR ID	DWR_RD0999_05_s_2012_57				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_57\_20170314\_00050.jpg



Looking northwest at dense trees on landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	238
LM End	4.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375036 °	38.375036 °
				-121.549961 °	-121.549961 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16403 DS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary alluminum pipe over the top of the levee. Portable pump on the WS toe. FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_16403\_27686.jpg



Pipe on LS slope.

LM Start	<b>4.45</b>	Rating **	M	Issue No.	<b>238 (cont)</b>
LM End	<b>4.45</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_16403\_27685.jpg



Pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	238 (cont)
LM End	4.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375036 °	38.375036 °
				-121.549961 °	-121.549961 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16403 DS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing or remove it. FIELD_STRUCT_DESC: 5-inch temporary alluminum pipe over the top of the levee. Portable pump on the WS toe. FS Date: 6/28/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_16403\_27687.jpg



Portable pump on WS toe.

LM Start	4.45	Rating **	A/W	Issue No.	130
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375034 °	38.375034 °
				-121.549892 °	-121.549892 °
DWR ID	DWR_RD0999_05_f_2013_130				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.45	Rating **	M	Issue No.	131
LM End	4.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375027 °	38.375027 °
				-121.549883 °	-121.549883 °
DWR ID	DWR_RD0999_05_s_2012_131				
Comment Code					
EQ : Equipment					
Inspector Comment					
Propane tank on waterside slope within the twenty foot zone.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_131\_20170314\_00089.jpg



Looking northeast at propane tank on waterside slope.

LM Start	4.47	Rating **	A/W	Issue No.	47
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375072 °	38.375057 °
				-121.549547 °	-121.548357 °
DWR ID	DWR_RD0999_05_s_2012_47				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.50	Rating **	A/W	Issue No.	58
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375099 °	38.375211 °
				-121.549068 °	-121.547158 °
DWR ID	DWR_RD0999_05_s_2012_58				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.51	Rating **	A/W	Issue No.	38
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375055 °	38.375313 °
				-121.548792 °	-121.546438 °
DWR ID	DWR_RD0999_05_s_2012_38				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

LM Start	<b>4.51</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00029.jpg



Looking northwest at dense trees on landside slope. (Spring 2011)

Photo 2 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00030.jpg



Looking west at trimmed trees on landside slope. (Spring 2012)

LM Start	<b>4.51</b>	Rating **	A/W	Issue No.	<b>38 (cont)</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_38\_20170314\_00031.jpg



Looking west at dense trees on landside slope. (Spring 2011)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

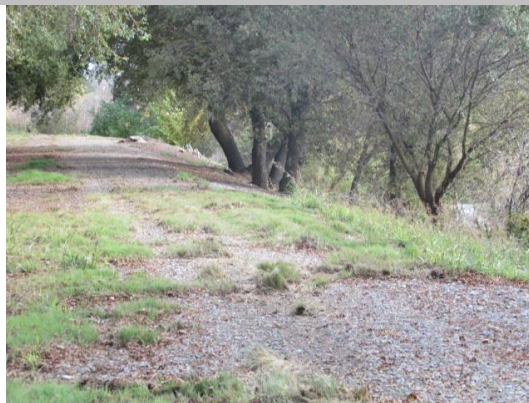
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.51	Rating **	M	Issue No.	32
LM End	4.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.375084 °	38.377176 °
				-121.548750 °	-121.543571 °
DWR ID	DWR_RD0999_05_f_2012_32				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_32\_20170314\_00028.jpg



Looking north at vegetation on levee crown.

LM Start	4.51	Rating **	A/W	Issue No.	49
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.375050 °	38.375077 °
				-121.548717 °	-121.547512 °
DWR ID	DWR_RD0999_05_s_2012_49				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.62	Rating **	U	Issue No.	28
LM End	4.62	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375308 °	38.375308 °
				-121.546828 °	-121.546828 °
DWR ID	DWR_RD0999_05_s_2017_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterward slope. Large hole on waterward slope.					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.65	Rating **	N	Issue No.	62
LM End	4.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375360 °	38.375360 °
				-121.546291 °	-121.546291 °
DWR ID	DWR_RD0999_05_s _ 2012_62				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	4.65	Rating **	C	Issue No.	50
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.375373 °	38.375373 °
				-121.546200 °	-121.546200 °
DWR ID	DWR_RD0999_05_s _ 2012_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Old tree limbs on landward shoulder blocking access.					

No Photos

LM Start	4.67	Rating **	A/W	Issue No.	52
LM End	4.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375478 °	38.375478 °
				-121.545852 °	-121.545852 °
DWR ID	DWR_RD0999_05_s _ 2012_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_52\_20170314\_00046.jpg



Looking west at untrimmed trees on landward toe. (Spring 2015)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.69	Rating **	A/W	Issue No.	63
LM End	4.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.375566 °	38.375775 °
				-121.545676 °	-121.545255 °
DWR ID	DWR_RD0999_05_s_2012_63				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.69	Rating **	M	Issue No.	239
LM End	4.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.375537 °	38.375537 °
				-121.545647 °	-121.545647 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15443					
DS_ID:22882					
EP_NO: 7383					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee					
4.0 feet below the crown. Pumphouse on WS slope and a JP on the LS					
shoulder. 1.5-inch galvanized iron electrical conduit at same location.					
Replaces existing portion of a 10-inch pipe within the levee section					
(Permit No. 7383, 1971).					
FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15443\_25362.jpg



Abandoned pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.69	Rating **	M	Issue No.	239 (cont)	
LM End	4.69	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.375537 °		38.375537 °
				-121.545647 °		-121.545647 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15443						
DS_ID:22882						
EP_NO: 7383						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee						
4.0 feet below the crown. Pumphouse on WS slope and a JP on the LS						
shoulder. 1.5-inch galvanized iron electrical conduit at same location.						
Replaces existing portion of a 10-inch pipe within the levee section						
(Permit No. 7383, 1971).						
FS Date: 6/28/2013						

LM Start	<b>4.69</b>	Rating **	M	Issue No.	<b>239 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_15443\_25361.jpg



Abandoned pumphouse on WS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_15443\_25360.jpg



Pipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.71	Rating **	C	Issue No.	61
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.375769 °	38.376074 °
				-121.545258 °	-121.544799 °
DWR ID	DWR_RD0999_05_f_2012_61				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landside toe.					

No Photos

LM Start	4.76	Rating **	C	Issue No.	154
LM End	4.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.376257 °	38.376257 °
				-121.544578 °	-121.544578 °
DWR ID	DWR_RD0999_05_f_2013_154				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Levee damaged by vehicle traffic.					

No Photos

LM Start	4.78	Rating **	C	Issue No.	64
LM End	4.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.376432 °	38.376432 °
				-121.544382 °	-121.544382 °
DWR ID	DWR_RD0999_05_s_2012_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	4.81	Rating **	C	Issue No.	54
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.376717 °	38.376717 °
				-121.544017 °	-121.544017 °
DWR ID	DWR_RD0999_05_s_2012_54				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.07	Rating **	A/W	Issue No.	65
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.379711 °	38.379711 °
				-121.541070 °	-121.541070 °
DWR ID	DWR_RD0999_05_s_2012_65				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and garbage pile on landside shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_65\_20170314\_00052.jpg



Looking south at prunings and garbage on landward shoulder and slope. (Fall 2016)

LM Start	<b>5.07</b>	Rating **	A/W	Issue No.	<b>65 (cont)</b>
LM End	<b>5.07</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_65\_20170314\_00053.jpg



Looking east at garbage and prunings on landward shoulder. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.12	Rating **	U	Issue No.	176
LM End	5.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.380420 °	38.380420 °
				-121.541102 °	-121.541102 °
DWR ID	DWR_RD0999_05_f_2015_176				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Large hole on waterward shoulder caused by fallen tree.					

LM Start	<b>5.12</b>	Rating **	U	Issue No.	<b>176 (cont)</b>
LM End	<b>5.12</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00120.jpg



Looking at hole from falling tree on waterward shoulder. (Fall 2016)

Photo 2 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00121.jpg



Looking at hole on waterward shoulder caused by fallen tree.

Photo 3 of 3 : SP\_2017\_RD0999\_236\_176\_20170314\_00122.jpg



Looking at fallen tree and hole on waterward slope and shoulder.

LM Start	<b>5.12</b>	Rating **	U	Issue No.	<b>176 (cont)</b>
LM End	<b>5.12</b>	Issue Type +	Ma	Location *	WS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.13	Rating **	U	Issue No.	240 (cont)
LM End	5.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.380523 °	38.380523 °
				-121.541186 °	-121.541186 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50094 DS_ID:22856 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - Pipe open on WS. no pipe or appurtenances visible on LS. pipe on WS slope below open penetration noted. May have previously been connected. (T. Hatch/UCIP)06/28/2013 - Pipe abandoned and should be done so properly. Pipe open on waterside. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation pipe through the levee, 6.5 feet below the crown. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 Revised, October 1966 (LM 5.31)]. FS Date: 7/7/2016					

Photo 3 of 3 : UCIP\_SP\_2017\_50094\_75319.jpg



pipe on WS slope of levee below pipe penetrating levee. May have previously been connected.

LM Start	5.31	Rating **	M	Issue No.	214
LM End	5.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381178 °	38.381178 °
				-121.544193 °	-121.544193 °
DWR ID	DWR_RD0999_05_s_2016_214				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on waterward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_214\_20170314\_00152.jpg



Looking southeast at prunings on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.38	Rating **	M	Issue No.	51
LM End	5.42	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381490 °	38.381795 °
				-121.545477 °	-121.545996 °
DWR ID	DWR_RD0999_05_s _ 2012_51				
Comment Code					
FE : Fence					
Inspector Comment					
Fence is installed down waterside slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_51\_20170314\_00045.jpg



Looking northeast at fence on waterside slope.

LM Start	5.41	Rating **	M	Issue No.	215
LM End	5.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.381763 °	38.381763 °
				-121.545904 °	-121.545904 °
DWR ID	DWR_RD0999_05_s _ 2016_215				
Comment Code					
MA : Material					
Inspector Comment					
Concrete piled on waterward shoulder and slope					

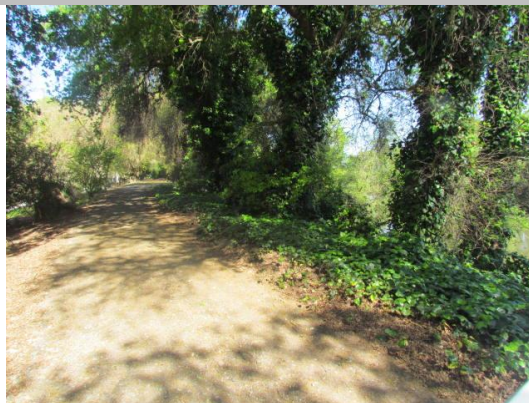
Photo 1 of 1 : SP\_2017\_RD0999\_236\_215\_20170314\_000153.jpg



Looking southeast at concrete rubble piled on waterward shoulder.

LM Start	5.42	Rating **	U	Issue No.	43
LM End	5.44	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381815 °	38.382137 °
				-121.546058 °	-121.546338 °
DWR ID	DWR_RD0999_05_s _ 2012_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ground cover blocking view of waterward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_43\_20170314\_00035.jpg

Looking north at dense groundcover and vegetation on waterward slope.  
(Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.42	Rating **	U	Issue No.	43 (cont)	
LM End	5.44	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.381815 °		38.382137 °
				-121.546058 °		-121.546338 °
DWR ID	DWR_RD0999_05_s_2012_43					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Ground cover blocking view of waterward slope.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_43\_20170314\_00036.jpg



Looking northeast at dense groundcover and vegetation on waterside slope.

LM Start	5.45	Rating **	M	Issue No.	241
LM End	5.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382153 °	38.382153 °
				-121.546387 °	-121.546387 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16341					
DS_ID:23969					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine permit no. or remove. No pictures taken.					
FIELD_STRUCT_DESC: 1-inch PVC irrigation line through the levee at unknown depth. Shutoff valves at hose bib on WS shoulder and in groundcover vegetation on LS slope.					
FS Date: 6/28/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.47	Rating **	U	Issue No.	67
LM End	5.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382454°	38.383141°
				-121.546579°	-121.546870°
DWR ID	DWR_RD0999_05_s_2012_67				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_67\_20170314\_00056.jpg



Looking north at dense vegetation on landward shoulder and slope.

LM Start	5.48	Rating **	M	Issue No.	68
LM End	5.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382553 °	38.382553 °
				-121.546651 °	-121.546651 °
DWR ID	DWR_RD0999_05_s_2012_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_68\_20170314\_00057.jpg



Looking northeast at untrimmed trees on landward slope. (Spring 2015)

LM Start	5.49	Rating **	M	Issue No.	70
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.382698 °	38.382698 °
				-121.546711 °	-121.546711 °
DWR ID	DWR_RD0999_05_s_2012_70				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_70\_20170314\_00058.jpg



Looking southwest at untrimmed tree on waterside shoulder and slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.50	Rating **	U	Issue No.	71
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382790 °	38.383548 °
				-121.546754 °	-121.546728 °
DWR ID	DWR_RD0999_05_s_2012_71				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_71\_20170314\_00059.jpg



Looking northeast at dense vegetation on waterside slope.

LM Start	5.50	Rating **	M	Issue No.	242
LM End	5.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.382821 °	38.382821 °
				-121.546661 °	-121.546661 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15446					
DS_ID:22857					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and should be done so appropriately.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual.					
FS Date: 6/28/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15446\_25366.jpg



Pipe visible on LS slope with JP, Meter and electrical conduit, and concrete standpipe,

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.50	Rating **	M	Issue No.	242 (cont)	
LM End	5.50	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.382821 °		38.382821 °
				-121.546661 °		-121.546661 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15446 DS_ID:22857 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so appropriately. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 4-feet below the crown. Pumphouse and gate valve on the waterward slope. Vent on LS slope and a 42-inch concrete standpipe on LS toe. service pole on the landward slope with a 1.5-inch galvanized iron electrical conduit at same location. Originally included in the 1966 O&M manual. FS Date: 6/28/2013						

LM Start	<b>5.50</b>	Rating **	M	Issue No.	<b>242 (cont)</b>
LM End	<b>5.50</b>	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP\_SP\_2017\_15446\_25365.jpg



Corrugated metal pumphouse on WS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_15446\_25364.jpg



Vent on pipe at WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.56	Rating **	A/W	Issue No.	203
LM End	5.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383740 °	38.384218 °
				-121.546628 °	-121.546095 °
DWR ID	DWR_RD0999_05_f_2014_203				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_203\_20170314\_00143.jpg



Looking at untrimmed trees on landward slope and toe.

LM Start	5.57	Rating **	U	Issue No.	37
LM End	5.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383780 °	38.383780 °
				-121.546590 °	-121.546590 °
DWR ID	DWR_RD0999_05_s_2017_37				
Comment Code					
BU : Building					
Inspector Comment					
Dilapidated horse pen on waterward slope and fallen tree.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_37\_20170324\_00244.jpg



Looking northwest at dilapidated horse pen and fallen tree on landward slope.

LM Start	<b>5.57</b>	Rating **	U	Issue No.	<b>37 (cont)</b>
LM End	<b>5.57</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_37\_20170324\_00245.jpg



Looking west at dilapidated horse pen and fallen tree on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.58	Rating **	M	Issue No.	182
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.383911 °	38.383911 °
				-121.546516 °	-121.546516 °
DWR ID	DWR_RD0999_05_s_2015_182				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.58	Rating **	A/W	Issue No.	192
LM End	5.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.383978 °	38.383978 °
				-121.546435 °	-121.546435 °
DWR ID	DWR_RD0999_05_s_2014_192				
Comment Code					
PR : Prunings					
Inspector Comment					
Landowner pile prunings on landside slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_192\_20170314\_00132.jpg



Looking west at prunings on landward slope and toe.

LM Start	5.61	Rating **	A/W	Issue No.	177
LM End	5.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384267 °	38.384267 °
				-121.546000 °	-121.546000 °
DWR ID	DWR_RD0999_05_f_2015_177				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs on landward slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.80	Rating **	U	Issue No.	138
LM End	6.01	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.384682 °	38.386723 °
				-121.542713 °	-121.541340 °
DWR ID	DWR_RD0999_05_s_2017_138				
Comment Code					
FE : Fence					
Inspector Comment					
Could not pass through due to animal (goats) fence across levee crown.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_138\_20170324\_00246.jpg



Looking downstream at fence and goats blocking access to levee.

LM Start	<b>5.80</b>	Rating **	U	Issue No.	<b>138 (cont)</b>
LM End	<b>6.01</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : SP\_2017\_RD0999\_236\_138\_20170324\_00247.jpg



Looking west at fence and goats blocking access to levee

LM Start	5.80	Rating **	A/W	Issue No.	48
LM End	5.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.384718 °	38.384930 °
				-121.542590 °	-121.541883 °
DWR ID	DWR_RD0999_05_s_2012_48				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward slope and toe.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_48\_20170314\_00042.jpg



Looking west at dense vegetation on landward slope and toe. Fall 2015

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.80	Rating **	A/W	Issue No.	48 (cont)	
LM End	5.84	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.384718 °	38.384930 °	
				-121.542590 °	-121.541883 °	
DWR ID	DWR_RD0999_05_s_2012_48					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dense vegetation at landward slope and toe.						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_48\_20170314\_00043.jpg



Looking east at dense vegetation on landward slope. (Spring 2015)

LM Start	5.84	Rating **	A/W	Issue No.	59
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.384867 °	38.384867 °
				-121.541845 °	-121.541845 °
DWR ID	DWR_RD0999_05_s_2012_59				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.89	Rating **	M	Issue No.	217
LM End	7.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.385307 °	38.404057 °
				-121.541157 °	-121.541789 °
DWR ID	DWR_RD0999_05_s_2016_217				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	5.93	Rating **	C	Issue No.	39
LM End	5.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.385729 °	38.385729 °
				-121.540863 °	-121.540863 °
DWR ID	DWR_RD0999_05_s _ 2013_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large downed trees and vegetation blocking landward toe.					

No Photos

LM Start	6.05	Rating **	M	Issue No.	216
LM End	6.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.387260 °	38.387415 °
				-121.541863 °	-121.541975 °
DWR ID	DWR_RD0999_05_s _ 2017_216				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Fruit trees at landward toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	243
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388151 °	38.388151 °
				-121.542624 °	-121.542624 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40791					
DS_ID:22890					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing. Settlement over pipe alignment on crown.					
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee 1.5-feet below the crown. Pump on WS. Filter, booster, and vent on LS toe. JP on WS shoulder.					
FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_40791\_27555.jpg



Pump on WS slope.

LM Start	<b>6.13</b>	Rating **	M	Issue No.	<b>243 (cont)</b>
LM End	<b>6.13</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_40791\_27554.jpg



Settlement along pipe alignment on crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.13	Rating **	M	Issue No.	243 (cont)
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388151 °	38.388151 °
				-121.542624 °	-121.542624 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40791					
DS_ID:22890					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing. Settlement over pipe alignment on crown.					
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee 1.5-feet below the crown. Pump on WS. Filter, booster, and vent on LS toe. JP on WS shoulder.					
FS Date: 7/10/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_40791\_27553.jpg



Pipe visible on LS slope with filter plant in background.

LM Start	6.13	Rating **	U	Issue No.	244
LM End	6.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.388175 °	38.388175 °
				-121.542623 °	-121.542623 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50095 DS_ID:22859 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - slant pump intake located on WS toe with the opening blocked by cinder blocks. multiple pipes segments laying on WS slope. Otherwise, no change from previous inspection. (T. Hatch/UCIP)07/10/2013 - Pipe appears abandoned and is open on both ends. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 6 feet below the crown. Evidence of Pump, gate valve on the WS toe along with a service pole. Evidence of a 36-inch standpipe at the landward toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 Revised, October 1966 (LM 6.29)]. FS Date: 7/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50095\_25859.jpg



6-inch steel pipe on LS slope with evidence of 36-inch standpipe in background.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.13	Rating **	U	Issue No.	244 (cont)	
LM End	6.13	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.388175 °		38.388175 °
				-121.542623 °		-121.542623 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50095 DS_ID:22859 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - slant pump intake located on WS toe with the opening blocked by cinder blocks. multiple pipes segments laying on WS slope. Otherwise, no change from previous inspection. (T. Hatch/UCIP)07/10/2013 - Pipe appears abandoned and is open on both ends. Pipe should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 6 feet below the crown. Evidence of Pump, gate valve on the WS toe along with a service pole. Evidence of a 36-inch standpipe at the landward toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 113 Revised, October 1966 (LM 6.29)]. FS Date: 7/7/2016						

Photo 2 of 3 : UCIP\_SP\_2017\_50095\_25858.jpg



Pipe visible on WS slope.

LM Start	<b>6.13</b>	Rating **	U	Issue No.	<b>244 (cont)</b>
LM End	<b>6.13</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_50095\_25857.jpg



Pipe open on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.13	Rating **	C	Issue No.	100
LM End	6.24	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.388165 °	38.389695 °
				-121.542647 °	-121.542778 °
DWR ID	DWR_RD0999_05_s_2012_100				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	6.13	Rating **	M	Issue No.	60
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.388225 °	38.388225 °
				-121.542697 °	-121.542697 °
DWR ID	DWR_RD0999_05_s_2012_60				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_60\_20170314\_00051.jpg



Looking north at dense trees on landward slope. (Spring 2015)

LM Start	6.19	Rating **	M	Issue No.	225
LM End	6.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.389015 °	38.389015 °
				-121.543003 °	-121.543003 °
DWR ID	DWR_RD0999_05_s_2017_225				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken limb on landward slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.22	Rating **	A/W	Issue No.	183
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.389392 °	38.389392 °
				-121.542958 °	-121.542958 °
DWR ID	DWR_RD0999_05_s_2015_183				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	6.26	Rating **	M	Issue No.	155
LM End	6.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.389946 °	38.389946 °
				-121.542461 °	-121.542461 °
DWR ID	DWR_RD0999_05_f_2013_155				
Comment Code					
RA : Ramp					
Inspector Comment					
Unauthorized ramp on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_155\_20170314\_00104.jpg



Looking southwest at ramp on landward slope.

LM Start	6.34	Rating **	C	Issue No.	75
LM End	6.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.390541 °	38.391396 °
				-121.541360 °	-121.540038 °
DWR ID	DWR_RD0999_05_s_2012_75				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.37	Rating **	C	Issue No.	97
LM End	6.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.390848 °	38.391880 °
				-121.540826 °	-121.539215 °
DWR ID	DWR_RD0999_05_f_2012_97				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Young trees on landside slope.					

No Photos

LM Start	6.43	Rating **	U	Issue No.	92
LM End	6.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.391355 °	38.391776 °
				-121.540113 °	-121.539295 °
DWR ID	DWR_RD0999_05_s_2012_92				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning piles and fallen tree on waterward and landward shoulder and slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_92\_20170324\_00248.jpg



Looking east at fallen tree and pruning on landward and waterward shoulder and slope.

LM Start	<b>6.43</b>	Rating **	U	Issue No.	<b>92 (cont)</b>
LM End	<b>6.48</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_92\_20170324\_00249.jpg



Looking east at tree branches and limbs on waterward and landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.44	Rating **	U	Issue No.	181
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.391502 °	38.391502 °
				-121.539897 °	-121.539897 °
DWR ID	DWR_RD0999_05_f_2015_181				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed trees on landward slope and toe.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_181\_20170314\_00124.jpg



Looking northwest at untrimmed trees on landward slope and toe.

LM Start	6.47	Rating **	M	Issue No.	245
LM End	6.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391723 °	38.391723 °
				-121.539442 °	-121.539442 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15604 DS_ID:22860 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 14-inch pipe through the levee 7.2 feet below the crown. Open 9'X14' concrete pump pit on waterward slope. Pipe has steel plate bolted over WS end . Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_15604\_25875.jpg



Pipe with steel plate bolted over opening at concrete pump pit on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.47	Rating **	M	Issue No.	245 (cont)
LM End	6.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.391723 °	38.391723 °
				-121.539442 °	-121.539442 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15604 DS_ID:22860 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 14-inch pipe through the levee 7.2 feet below the crown. Open 9'X14' concrete pump pit on waterward slope. Pipe has steel plate bolted over WS end . Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

Photo 2 of 2 : UCIP\_SP\_2017\_15604\_25874.jpg



Concrete pump pit on WS slope.

LM Start	6.55	Rating **	M	Issue No.	115
LM End	6.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.392658 °	38.392658 °
				-121.539007 °	-121.539007 °
DWR ID	DWR_RD0999_05_s_2017_115				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.56	Rating **	M	Issue No.	246	
LM End	6.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.392788 °		38.392788 °
				-121.539047 °		-121.539047 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:16342 DS_ID:23988 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine Permit No. for this crossing. FIELD_STRUCT_DESC: 8-inch aluminum irrigation pipe over the crown- pipe blocks crown when in use. Portable pump on WS toe. FS Date: 7/10/2013						

Photo 1 of 2 : UCIP\_SP\_2017\_16342\_27544.jpg



Pipe at crossing over crown.

LM Start	<b>6.56</b>	Rating **	M	Issue No.	<b>246 (cont)</b>
LM End	<b>6.56</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2017\_16342\_27543.jpg



Portable pump on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.60	Rating **	C	Issue No.	218
LM End	6.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393353 °	38.393353 °
				-121.539207 °	-121.539207 °
DWR ID	DWR_RD0999_05_s_2016_218				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on waterward slope.					

No Photos

LM Start	6.60	Rating **	C	Issue No.	219
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393356 °	38.393356 °
				-121.539213 °	-121.539213 °
DWR ID	DWR_RD0999_05_s_2016_219				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree branch and limbs on landward slope.					

No Photos

LM Start	6.61	Rating **	M	Issue No.	132
LM End	6.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.393578 °	38.393578 °
				-121.539295 °	-121.539295 °
DWR ID	DWR_RD0999_05_f_2012_132				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed ramp on landside slope without permit.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_132\_20170314\_00090.jpg



Looking east at unauthorized ramp on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.68	Rating **	U	Issue No.	93
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.394491 °	38.394991 °
				-121.539427 °	-121.539333 °
DWR ID	DWR_RD0999_05_s_2012_93				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense landscaping on landward slope.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_93\_20170314\_00071.jpg



Looking north at overgrown landscape on landside slope and toe.

LM Start	<b>6.68</b>	Rating **	U	Issue No.	<b>93 (cont)</b>
LM End	<b>6.71</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_93\_20170324\_00250.jpg



LM Start	6.73	Rating **	M	Issue No.	96
LM End	6.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395234 °	38.395234 °
				-121.539323 °	-121.539323 °
DWR ID	DWR_RD0999_05_s_2012_96				
Comment Code					
MA : Material					
Inspector Comment					
Firewood and other material on landside shoulder.					

Photo 1 of 4 : SP\_2017\_RD0999\_236\_96\_20170314\_00072.jpg



Fence, firewood and material at landside shoulder.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.73	Rating **	M	Issue No.	96 (cont)	
LM End	6.73	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.395234 °		38.395234 °
				-121.539323 °		-121.539323 °
DWR ID	DWR_RD0999_05_s_2012_96					
Comment Code						
MA : Material						
Inspector Comment						
Firewood and other material on landside shoulder.						

Photo 2 of 4 : SP\_2017\_RD0999\_236\_96\_20170314\_00073.jpg



Looking northeast at firewood and other material on landside shoulder.  
(Spring 2012)

LM Start	<b>6.73</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2017\_RD0999\_236\_96\_20170314\_00074.jpg



Looking south at firewood and other material on landside shoulder and crown.

LM Start	<b>6.73</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>6.73</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2017\_RD0999\_236\_96\_20170314\_00075.jpg



Looking north at firewood and other material on landside shoulder and crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.77	Rating **	U	Issue No.	226
LM End	6.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395723 °	38.395723 °
				-121.539052 °	-121.539052 °
DWR ID	DWR_RD0999_05_s_2017_226				
Comment Code					
TA : Tank					
Inspector Comment					
Large water tank on landward slope and other material.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_226\_20170327\_00251.jpg



Looking west at water tank on landward slope.

LM Start	<b>6.77</b>	Rating **	U	Issue No.	<b>226 (cont)</b>
LM End	<b>6.77</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_226\_20170327\_00252.jpg



Looking west at water tank on landward slope and toe.

LM Start	6.78	Rating **	M	Issue No.	186
LM End	6.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.395890 °	38.395890 °
				-121.538917 °	-121.538917 °
DWR ID	DWR_RD0999_05_f_2015_186				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.79	Rating **	M	Issue No.	156
LM End	6.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.395945 °	38.396307 °
				-121.538859 °	-121.538177 °
DWR ID	DWR_RD0999_05_f_2013_156				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner is storing farm equipmemnt on landward shoulder.					

LM Start	<b>6.79</b>	Rating **	M	Issue No.	<b>156 (cont)</b>
LM End	<b>6.83</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP\_2017\_RD0999\_236\_156\_20170314\_00105.jpg



Looking north at farm equipment on landward shoulder (Fall 2014)

Photo 2 of 3 : SP\_2017\_RD0999\_236\_156\_20170314\_00106.jpg



Looking north at farm equipment on landward shoulder.

LM Start	<b>6.79</b>	Rating **	M	Issue No.	<b>156 (cont)</b>
LM End	<b>6.83</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2017\_RD0999\_236\_156\_20170314\_00107.jpg



Looking south at farm equipment on landward shoulder.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	6.80	Rating **	M	Issue No.	157
LM End	6.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396099 °	38.396099 °
				-121.538585 °	-121.538585 °
DWR ID	DWR_RD0999_05_f_2013_157				
Comment Code					
MA : Material					
Inspector Comment					
Landowner is storing pallets of bricks on waterward shoulder.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_157\_20170314\_00108.jpg



Looking northeast at pallets of bricks stored on waterward shoulder.

LM Start	6.85	Rating **	U	Issue No.	204
LM End	7.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.396379 °	38.403600 °
				-121.537814 °	-121.540311 °
DWR ID	DWR_RD0999_05_f_2014_204				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees at landward toe blocking visibility.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_204\_20170314\_00144.jpg



Looking northwest at dense trees at landward toe.

LM Start	6.95	Rating **	A/W	Issue No.	142
LM End	6.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.396958 °	38.396958 °
				-121.536148 °	-121.536148 °
DWR ID	DWR_RD0999_05_s_2013_142				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landward shoulder and slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	7.15	Rating **	M	Issue No.	184
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.399761 °	38.399761 °
				-121.536565 °	-121.536565 °
DWR ID	DWR_RD0999_05_s_2015_184				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.51	Rating **	U	Issue No.	247
LM End	7.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.403744 °	38.403744 °
				-121.540714 °	-121.540714 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50096 DS_ID:22863 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/07/2016 - Pipe abandoned and appears to be open inside the concrete box on the WS shoulder. No appurtenances visible from the LS. (T. Hatch/UCIP)07/10/2013 - Pipe abandoned and open on both ends. Concrete pump pit foundation undermined at WS toe. Pipe should be abandoned properly (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee, 4.8 feet below the crown. 9 foot by 14 foot concrete pump pit on waterside (WS) slope. Pipe open on WS inlet to pump pit. O&M Manual indicates pipe is abandoned and 16-inch in diameter [Additional Reference(s): DWR Levee Logs, 1992. USACE Sacramento O&M Manual 113 Revised, October 1966 (LM 7.60)]. FS Date: 7/7/2016					

Photo 1 of 3 : UCIP\_SP\_2017\_50096\_25938.jpg



Concrete pump pit on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	<b>7.51</b>	Rating **	U	Issue No.	<b>247 (cont)</b>
LM End	<b>7.51</b>	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.403744 °	38.403744 °	
			-121.540714 °	-121.540714 °	
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50096  
DS\_ID:22863  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/07/2016 - Pipe abandoned and appears to be open inside the concrete box on the WS shoulder. No appurtenances visible from the LS. (T. Hatch/UCIP)07/10/2013 - Pipe abandoned and open on both ends. Concrete pump pit foundation undermined at WS toe. Pipe should be abandoned properly (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 14-inch steel irrigation pipe through the levee, 4.8 feet below the crown. 9 foot by 14 foot concrete pump pit on waterside (WS) slope. Pipe open on WS inlet to pump pit. O&M Manual indicates pipe is abandoned and 16-inch in diameter  
[Additional Reference(s): DWR Levee Logs, 1992. USACE Sacramento O&M Manual 113 Revised, October 1966 (LM 7.60)].  
FS Date: 7/7/2016

LM Start	<b>7.51</b>	Rating **	U	Issue No.	<b>247 (cont)</b>
LM End	<b>7.51</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50096\_25937.jpg



Pipe visible on WS slope.

Photo 3 of 3 : UCIP\_SP\_2017\_50096\_25936.jpg



Pipe open at pump pit on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	7.54	Rating **	M	Issue No.	66
LM End	7.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.403895 °	38.404145 °
				-121.541113 °	-121.541835 °
DWR ID	DWR_RD0999_05_s_2012_66				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner has cleared the top half of the levee. Botton half still blocking view of landward toe.					

LM Start	<b>7.54</b>	Rating **	M	Issue No.	<b>66 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP\_2017\_RD0999\_236\_66\_20170327\_00253.jpg



Looking east at landscaping at bottom half of levee. (Spring 2017)

Photo 2 of 2 : SP\_2017\_RD0999\_236\_66\_20170314\_00055.jpg



Landscaping on landside slope blocking view of slope. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	248
LM End	7.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.403993 °	38.403993 °
				-121.541626 °	-121.541626 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15624					
DS_ID:22864					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes.					
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee 7.0 feet below the crown. 12-inch pipe sleeved through 14-inch pipe.					
Annular space not grouted. 36-inch concrete standpipe on LS toe.					
Originally included in the 1966 O&M manual.					
FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15624\_25969.jpg



12-inch pipe sleeved through 14-inch pipe at WS slope. Erosion around pipe on levee slopes-both sides of levee.

LM Start	<b>7.57</b>	Rating **	M	Issue No.	<b>248 (cont)</b>
LM End	<b>7.57</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15624\_25968.jpg



Notice: No grout between sleeved pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	7.57	Rating **	M	Issue No.	248 (cont)	
LM End	7.57	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.403993 °	38.403993 °	
				-121.541626 °	-121.541626 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15624						
DS_ID:22864						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Annular space needs to be grouted between the 12 and 14-inch pipes.						
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee 7.0 feet below the crown. 12-inch pipe sleeved through 14-inch pipe. Annular space not grouted. 36-inch concrete standpipe on LS toe. Originally included in the 1966 O&M manual.						
FS Date: 7/10/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15624\_25967.jpg



Pump on metal pier with walkway at WS toe

LM Start	7.58	Rating **	C	Issue No.	193
LM End	7.58	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.404135 °	38.404135 °
				-121.541878 °	-121.541878 °
DWR ID	DWR_RD0999_05_s_2014_193				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	7.67	Rating **	M	Issue No.	249
LM End	7.67	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.404865 °	38.404865 °
				-121.543079 °	-121.543079 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15742 DS_ID:22866 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to locate, but good location as there are sprinklers on both sides of the crown. Need to determine disposition of pipe. FIELD_STRUCT_DESC: 3-inch pipe through levee 11.3 feet below crown. Gate valve on landward slope. Sprinklers located on both sopes of levee. Location verified by electromagnetic survey. Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

No Photos

LM Start	7.77	Rating **	M	Issue No.	250
LM End	7.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.406221 °	38.406221 °
				-121.543609 °	-121.543609 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15643					
DS_ID:22867					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Unable to access property. Need to verify disposition of pipe.					
FIELD_STRUCT_DESC: 12-inch pipe through levee 4.0 feet below crown. Pump house on the waterward slope, service pole on the levee crown. Originally included in the 1966 O&M manual.					
FS Date: 7/10/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.03	Rating **	M	Issue No.	185
LM End	8.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409324 °	38.409324 °
				-121.541223 °	-121.541223 °
DWR ID	DWR_RD0999_05_s_2015_185				
Comment Code					
PR : Prunings					
Inspector Comment					
Garbage within prunings piles.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_185\_20170314\_00125.jpg



Looking west at pruning piles on landward slope. (Spring 2015)

LM Start	8.04	Rating **	M	Issue No.	251
LM End	8.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409421 °	38.409421 °
				-121.541007 °	-121.541007 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15683 DS_ID:22881 EP_NO: 13463 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak. FIELD_STRUCT_DESC: 12-inch pipe through the levee 2.5-feet below the crown. Pump on pile structure with walkway on WS toe. 12-inch PVC standpipe on LS toe next to filter plant and shed. (Permit No. 13463, 1982). 1.5-inch PVC electrical conduit at same location. This pipe replaced an existing 8-inch pipe that was grouted in place. FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15683\_26102.jpg



Pump on metal pier with walkway on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.04	Rating **	M	Issue No.	251 (cont)	
LM End	8.04	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409421 °		38.409421 °
				-121.541007 °		-121.541007 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15683						
DS_ID:22881						
EP_NO: 13463						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe exposed in excavation on LS shoulder at what may be a leak.						
FIELD_STRUCT_DESC: 12-inch pipe through the levee 2.5-feet below the crown. Pump on pile structure with walkway on WS toe. 12-inch PVC standpipe on LS toe next to filter plant and shed. (Permit No. 13463, 1982). 1.5-inch PVC electrical conduit at same location. This pipe replaced an existing 8-inch pipe that was grouted in place.						
FS Date: 7/10/2013						

LM Start	<b>8.04</b>	Rating **	M	Issue No.	<b>251 (cont)</b>
LM End	<b>8.04</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_15683\_26101.jpg



Air vent and butterfly valve at filter plant/shed. Meter on JP with electrical controls.

Photo 3 of 3 : UCIP\_SP\_2017\_15683\_26100.jpg



Pipe visible on LS shoulder with siphon breaker.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	252
LM End	8.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409440 °	38.409440 °
				-121.540928 °	-121.540928 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15663 DS_ID:22868 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

LM Start	<b>8.05</b>	Rating **	M	Issue No.	<b>252 (cont)</b>
LM End	<b>8.05</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15663\_26082.jpg



14-inch pipe visible at WS toe below pumphouse.

Photo 2 of 3 : UCIP\_SP\_2017\_15663\_26081.jpg



Concrete pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	252 (cont)
LM End	8.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409440 °	38.409440 °
				-121.540928 °	-121.540928 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15663 DS_ID:22868 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee 14.4 feet below crown. Gate valve at pump in Concrete pit under pumphouse on WS slope. Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

Photo 3 of 3 : UCIP\_SP\_2017\_15663\_26080.jpg



Pump and gate valve assumed to be in bottom of concrete well inside pumphouse.

LM Start	8.05	Rating **	M	Issue No.	253
LM End	8.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409488 °	38.409488 °
				-121.540833 °	-121.540833 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15664 DS_ID:22870 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water pipe through the levee 12.5 feet below the crown. Gate valve and domestic pressure system in pump house on the waterward slope. Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_15664\_26084.jpg



Pipe visible inside pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.05	Rating **	M	Issue No.	253 (cont)	
LM End	8.05	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409488 °		38.409488 °
				-121.540833 °		-121.540833 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15664						
DS_ID:22870						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water pipe through the levee 12.5 feet below the crown. Gate valve and domestic pressure system in pump house on the waterward slope. Originally included in the 1966 O&M manual.						
FS Date: 7/10/2013						

Photo 2 of 2 : UCIP\_SP\_2017\_15664\_26083.jpg



Pipe visible inside pumphouse on WS slope.

LM Start	8.06	Rating **	M	Issue No.	87
LM End	8.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.409532 °	38.409760 °
				-121.540667 °	-121.540080 °
DWR ID	DWR_RD0999_05_s_2012_87				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.06	Rating **	C	Issue No.	88
LM End	8.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409532 °	38.409532 °
				-121.540665 °	-121.540665 °
DWR ID	DWR_RD0999_05_s_2012_88				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.10	Rating **	M	Issue No.	254
LM End	8.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409749 °	38.409749 °
				-121.540079 °	-121.540079 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:15685 DS_ID:22871 EP_NO: 4851 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned and should be done so properly. FIELD_STRUCT_DESC: 8-inch pipe through levee 6.2 feet below crown. Gate valve in pump house on the waterward slope, service pole on both slopes (Permit No 4851, 1965). Originally included in the 1966 O&M manual. FS Date: 7/10/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_15685\_26106.jpg



Pumphouse/concrete headwall on WS slopt.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.10	Rating **	M	Issue No.	254 (cont)	
LM End	8.10	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.409749 °		38.409749 °
				-121.540079 °		-121.540079 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15685						
DS_ID:22871						
EP_NO: 4851						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears to be abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 8-inch pipe through levee 6.2 feet below crown. Gate valve in pump house on the waterward slope, service pole on both slopes (Permit No 4851, 1965). Originally included in the 1966 O&M manual.						
FS Date: 7/10/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_15685\_26105.jpg



Possible location for original outlet on LS of Netherlands road.

LM Start	<b>8.10</b>	Rating **	M	Issue No.	<b>254 (cont)</b>
LM End	<b>8.10</b>	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP\_SP\_2017\_15685\_26104.jpg



Pump and gatevalve in pumphouse on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.14	Rating **	A/W	Issue No.	117
LM End	8.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409855 °	38.409855 °
				-121.539382 °	-121.539382 °
DWR ID	DWR_RD0999_05_s_2012_117				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.14	Rating **	M	Issue No.	205
LM End	8.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409876 °	38.409876 °
				-121.539348 °	-121.539348 °
DWR ID	DWR_RD0999_05_f_2014_205				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.15	Rating **	M	Issue No.	220
LM End	8.42	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.409892 °	38.408612 °
				-121.539225 °	-121.534570 °
DWR ID	DWR_RD0999_05_s_2016_220				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.17	Rating **	M	Issue No.	133
LM End	8.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409846 °	38.409846 °
				-121.538828 °	-121.538828 °
DWR ID	DWR_RD0999_05_f_2012_133				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.22	Rating **	U	Issue No.	206
LM End	8.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409679 °	38.409679 °
				-121.537920 °	-121.537920 °
DWR ID	DWR_RD0999_05_f_2014_206				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_206\_20170314\_00145.jpg



Looking west at untrimmed trees on landward toe.

LM Start	8.22	Rating **	U	Issue No.	118
LM End	8.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409665 °	38.409665 °
				-121.537898 °	-121.537898 °
DWR ID	DWR_RD0999_05_s_2012_118				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_118\_20170314\_00082.jpg



Looking northeast at untrimmed trees on watward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.24	Rating **	C	Issue No.	119
LM End	8.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409580 °	38.409580 °
				-121.537587 °	-121.537587 °
DWR ID	DWR_RD0999_05_s_2012_119				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.26	Rating **	A/W	Issue No.	120
LM End	8.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409467 °	38.409145 °
				-121.537157 °	-121.536390 °
DWR ID	DWR_RD0999_05_s_2012_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.27	Rating **	M	Issue No.	221
LM End	8.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409468 °	38.409468 °
				-121.537066 °	-121.537066 °
DWR ID	DWR_RD0999_05_f_2016_221				
Comment Code					
PO : Pole					
Inspector Comment					
Landowner installed wooden poles on landward slope to hang lights					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_221\_20170314\_00156.jpg



Looking east at wooden poles on landward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.27	Rating **	M	Issue No.	221 (cont)	
LM End	8.27	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.409468 °		38.409468 °
				-121.537066 °		-121.537066 °
DWR ID	DWR_RD0999_05_f_2016_221					
Comment Code						
PO : Pole						
Inspector Comment						
Landowner installed wooden poles on landward slope to hang lights						

Photo 2 of 2 : SP\_2017\_RD0999\_236\_221\_20170314\_00157.jpg



Looking north at wooden pole on landward shoulder.

LM Start	8.27	Rating **	A/W	Issue No.	69
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.409445 °	38.413717 °
				-121.536980 °	-121.523813 °
DWR ID	DWR_RD0999_05_s_2012_69				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	8.29	Rating **	U	Issue No.	194
LM End	8.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409319 °	38.409319 °
				-121.536678 °	-121.536678 °
DWR ID	DWR_RD0999_05_s_2014_194				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees blocking view of landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_194\_20170314\_00134.jpg



Looking southeast at untrimmed trees on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.29	Rating **	M	Issue No.	255
LM End	8.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.409264 °	38.409264 °
				-121.536659 °	-121.536659 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:15686  
DS\_ID:22872  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Type of pipe abandonment needs to be verified.  
FIELD\_STRUCT\_DESC: \*Abandoned\* 8-inch pipe through levee 11.7 feet below crown, no control valves. 1.5-inch galvanized iron electrical conduit found on WS slope at oak tree. 8-inch Pipe debris visible on WS slope. Originally included in the 1966 O&M manual.  
FS Date: 7/10/2013

LM Start	<b>8.29</b>	Rating **	M	Issue No.	<b>255 (cont)</b>
LM End	<b>8.29</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_15686\_26109.jpg



8-inch pipe debris with 1.5-inch electrical conduit visible in background on WS slope.

Photo 2 of 3 : UCIP\_SP\_2017\_15686\_26108.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.29	Rating **	M	Issue No.	255 (cont)	
LM End	8.29	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.409264 °	38.409264 °	
				-121.536659 °	-121.536659 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:15686						
DS_ID:22872						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Type of pipe abandonment needs to be verified.						
FIELD_STRUCT_DESC: *Abandoned* 8-inch pipe through levee 11.7						
feet below crown, no control valves. 1.5-inch galvanized iron electrical						
conduit found on WS slope at oak tree. 8-inch Pipe debris visible on						
WS slope. Originally included in the 1966 O&M manual.						
FS Date: 7/10/2013						

Photo 3 of 3 : UCIP\_SP\_2017\_15686\_26107.jpg



1.5-inch electrical conduit visible on WS slope next to oak.

LM Start	8.36	Rating **	C	Issue No.	89
LM End	8.36	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408763 °	38.408763 °
				-121.535609 °	-121.535609 °
DWR ID	DWR_RD0999_05_s_2012_89				
Comment Code					
PR : Prunings					
Inspector Comment					
Garbage within prunings pile.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.39	Rating **	M	Issue No.	101
LM End	8.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408586 °	38.408748 °
				-121.534992 °	-121.534437 °
DWR ID	DWR_RD0999_05_s_2012_101				
Comment Code					
FE : Fence					
Inspector Comment					
Fence installed without CVFPB permit in 2008. Fence extends from landside toe to landside shoulder.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_101\_20170314\_00078.jpg



New installed unauthorized fence at landside slope and shoulder.

LM Start	8.42	Rating **	U	Issue No.	81
LM End	8.42	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.408612 °	38.408612 °
				-121.534572 °	-121.534572 °
DWR ID	DWR_RD0999_05_f_2015_81				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner blocking access to levee with cattle behind gate, no access.					

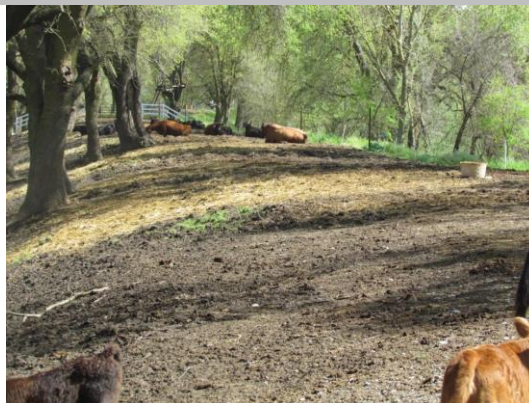
Photo 1 of 6 : SP\_2017\_RD0999\_236\_81\_20170327\_00254.jpg



Looking east at cattle pen across levee crown. (Spring 2017)

LM Start	<b>8.42</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>8.42</b>	Issue Type +	En	Location *	CR

Photo 2 of 6 : SP\_2017\_RD0999\_236\_81\_20170327\_00255.jpg



Looking east at cattle blocking access to levee. (Spring 2017)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

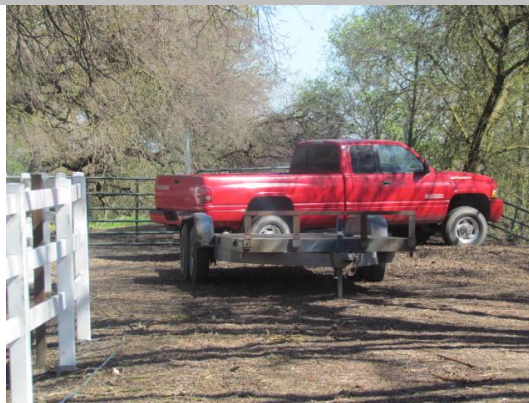
**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.42	Rating **	U	Issue No.	81 (cont)	
LM End	8.42	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.408612 °	38.408612 °	
				-121.534572 °	-121.534572 °	
DWR ID	DWR_RD0999_05_f_2015_81					
Comment Code						
FE : Fence						
Inspector Comment						
Landowner blocking access to levee with cattle behind gate, no access.						

Photo 3 of 6 : SP\_2017\_RD0999\_236\_81\_20170314\_00062.jpg



Looking east at trailer and truck parked across levee. (Spring 2016)

LM Start	<b>8.42</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>8.42</b>	Issue Type +	En	Location *	CR

Photo 4 of 6 : SP\_2017\_RD0999\_236\_81\_20170314\_00063.jpg



Looking east at fence and gate across levee crown. (Spring 2015)

LM Start	<b>8.42</b>	Rating **	U	Issue No.	<b>81 (cont)</b>
LM End	<b>8.42</b>	Issue Type +	En	Location *	CR

Photo 5 of 6 : SP\_2017\_RD0999\_236\_81\_20170314\_00064.jpg



Looking east at trailer blocking access to the levee. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.42	Rating **	U	Issue No.	81 (cont)	
LM End	8.42	Issue Type +	En	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.408612 °	38.408612 °	
				-121.534572 °	-121.534572 °	
DWR ID	DWR_RD0999_05_f_2015_81					
Comment Code						
FE : Fence						
Inspector Comment						
Landowner blocking access to levee with cattle behind gate, no access.						

Photo 6 of 6 : SP\_2017\_RD0999\_236\_81\_20170314\_00065.jpg



Looking north at fence and gate across levee crown. (Spring 2014)

LM Start	8.43	Rating **	M	Issue No.	106
LM End	8.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.408688 °	38.408688 °
				-121.534367 °	-121.534367 °
DWR ID	DWR_RD0999_05_s_2012_106				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.48	Rating **	M	Issue No.	102
LM End	8.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.409116 °	38.409500 °
				-121.533738 °	-121.533443 °
DWR ID	DWR_RD0999_05_s_2012_102				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.50	Rating **	M	Issue No.	187
LM End	8.50	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409395 °	38.409395 °
				-121.533593 °	-121.533593 °
DWR ID	DWR_RD0999_05_s_2015_187				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed a electrical fence across levee crown.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_187\_20170314\_00126.jpg



Looking east at new electrical fence across levee crown and landward slope. (Spring 2015)

LM Start	8.53	Rating **	C	Issue No.	122
LM End	8.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409700 °	38.409700 °
				-121.533217 °	-121.533217 °
DWR ID	DWR_RD0999_05_s_2012_122				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	8.54	Rating **	M	Issue No.	195
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409880 °	38.409880 °
				-121.533078 °	-121.533078 °
DWR ID	DWR_RD0999_05_s_2014_195				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood stock piled on landside slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_195\_20170314\_00135.jpg



Looking northeast at firewood on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.54	Rating **	M	Issue No.	222
LM End	8.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.409931 °	38.409931 °
				-121.533033 °	-121.533033 °
DWR ID	DWR_RD0999_05_f_2016_222				
Comment Code					
PL : Pool					
Inspector Comment					
Landowner installed slip and slide and pvc pipes on landward slope.					

Photo 1 of 3 : SP\_2017\_RD0999\_236\_222\_20170314\_00158.jpg



Photo 2 of 3 : SP\_2017\_RD0999\_236\_222\_20170314\_00159.jpg



Photo 3 of 3 : SP\_2017\_RD0999\_236\_222\_20170314\_00160.jpg



Looking west at slip and slide on landward slope.

LM Start	<b>8.54</b>	Rating **	M	Issue No.	<b>222 (cont)</b>
LM End	<b>8.54</b>	Issue Type +	En	Location *	LS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.58	Rating **	M	Issue No.	196
LM End	8.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410279 °	38.410279 °
				-121.532414 °	-121.532414 °
DWR ID	DWR_RD0999_05_s_2014_196				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed concrete stairs and sprinkler and plantings on landside slope without CVFPB permit.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_196\_20170314\_00136.jpg



Looking east at concrete stairs, sprinklers and plantings on landward slope.

LM Start	<b>8.58</b>	Rating **	M	Issue No.	<b>196 (cont)</b>
LM End	<b>8.58</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_196\_20170314\_00137.jpg



Looking north at concrete stairs on landward slope.

LM Start	8.59	Rating **	M	Issue No.	126
LM End	8.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410283 °	38.410283 °
				-121.532353 °	-121.532353 °
DWR ID	DWR_RD0999_05_s_2012_126				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_126\_20170314\_00083.jpg



Looking northeast at landscaping on landward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.59	Rating **	M	Issue No.	103
LM End	8.59	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410332 °	38.410332 °
				-121.532277 °	-121.532277 °
DWR ID	DWR_RD0999_05_s_2012_103				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_103\_20170314\_00079.jpg



View of fence &amp; gate across levee crown, landside &amp; waterside slope.

LM Start	<b>8.59</b>	Rating **	M	Issue No.	<b>103 (cont)</b>
LM End	<b>8.59</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : SP\_2017\_RD0999\_236\_103\_20170314\_00080.jpg



New unauthorized fence that extend from landside toe to waterside toe.

LM Start	8.61	Rating **	M	Issue No.	123
LM End	8.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410434 °	38.410434 °
				-121.532050 °	-121.532050 °
DWR ID	DWR_RD0999_05_s_2012_123				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.62	Rating **	M	Issue No.	256
LM End	8.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.410531 °	38.410531 °
				-121.531785 °	-121.531785 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16345 DS_ID:23990 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No for crossing or remove it. FIELD_STRUCT_DESC: 3-inch plastic irrigation hose over the levee. Small portable pump on WS toe. FS Date: 7/10/2013					

Photo 1 of 2 : UCIP\_SP\_2017\_16345\_27558.jpg



Portable pump on WS toe.

LM Start	<b>8.62</b>	Rating **	M	Issue No.	<b>256 (cont)</b>
LM End	<b>8.62</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2017\_16345\_27557.jpg



Plastic hose visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.63	Rating **	M	Issue No.	104
LM End	8.63	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.410617 °	38.410617 °
				-121.531694 °	-121.531694 °
DWR ID	DWR_RD0999_05_s_2012_104				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_104\_20170314\_00081.jpg



New unauthorized fence and gate that extends from landside toe across levee crown to waterside toe.

LM Start	8.63	Rating **	A/W	Issue No.	208
LM End	8.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.410650 °	38.410650 °
				-121.531635 °	-121.531635 °
DWR ID	DWR_RD0999_05_f_2014_208				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.64	Rating **	M	Issue No.	223
LM End	8.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.410696 °	38.411560 °
				-121.531584 °	-121.530479 °
DWR ID	DWR_RD0999_05_f_2016_223				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Control growth on levee crown					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_223\_20170314\_00161.jpg



Looking east at overgrowth on levee crown.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.73	Rating **	M	Issue No.	134
LM End	8.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.411577 °	38.412619 °
				-121.530375 °	-121.529691 °
DWR ID	DWR_RD0999_05_f_2012_134				
Comment Code					
LI : Landscape Irrigation					
Inspector Comment					
Sprinklers on landward and waterward shoulder.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_134\_20170314\_00091.jpg



Looking at one of several sprinklers on waterward and landward slope.

LM Start	8.75	Rating **	A/W	Issue No.	91
LM End	8.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411567 °	38.411567 °
				-121.529902 °	-121.529902 °
DWR ID	DWR_RD0999_05_s_2012_91				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.75	Rating **	A/W	Issue No.	107
LM End	8.75	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.411760 °	38.411760 °
				-121.530008 °	-121.530008 °
DWR ID	DWR_RD0999_05_s_2012_107				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.75	Rating **	M	Issue No.	257
LM End	8.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.411805 °	38.411805 °
				-121.530044 °	-121.530044 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:16346 DS_ID:23991 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine permit No. for crossing. FIELD_STRUCT_DESC: 1-inch PVC sprinklers on both sides of crown. Unclear where crossing occurs. No photos taken. FS Date: 7/10/2013					

No Photos

LM Start	8.78	Rating **	C	Issue No.	108
LM End	8.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412053 °	38.412053 °
				-121.529752 °	-121.529752 °
DWR ID	DWR_RD0999_05_s_2012_108				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.81	Rating **	C	Issue No.	77
LM End	8.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412468 °	38.412468 °
				-121.529705 °	-121.529705 °
DWR ID	DWR_RD0999_05_s_2012_77				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.82	Rating **	M	Issue No.	224
LM End	8.82	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.412718 °	38.412718 °
				-121.529724 °	-121.529724 °
DWR ID	DWR_RD0999_05_f_2016_224				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed gate across levee crown. Code to enter as of 9/16 is 1025					

LM Start	<b>8.82</b>	Rating **	M	Issue No.	<b>224 (cont)</b>
LM End	<b>8.82</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : SP\_2017\_RD0999\_236\_224\_20170314\_00162.jpg



Looking at code pad on right side of gate.

Photo 2 of 2 : SP\_2017\_RD0999\_236\_224\_20170314\_00163.jpg



Looking west at code pad on right side of gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	8.88	Rating **	M	Issue No.	124
LM End	8.88	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413508 °	38.413508 °
				-121.529743 °	-121.529743 °
DWR ID	DWR_RD0999_05_s_2012_124				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	8.90	Rating **	M	Issue No.	127
LM End	8.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413780 °	38.414138 °
				-121.529727 °	-121.529772 °
DWR ID	DWR_RD0999_05_s_2012_127				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus and other plants and sprinklers on landward slope.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_127\_20170314\_00084.jpg



Looking west at cactus and other vegetation on landward slope.

LM Start	9.00	Rating **	A/W	Issue No.	209
LM End	9.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.415201 °	38.415628 °
				-121.529612 °	-121.529262 °
DWR ID	DWR_RD0999_05_f_2014_209				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.14	Rating **	M	Issue No.	200
LM End	9.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415787 °	38.415787 °
				-121.527437 °	-121.527437 °
DWR ID	DWR_RD0999_05_f_2015_200				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed stairs on landward slope without permit.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_200\_20170314\_00139.jpg



Looking north stairs on landward slope.

LM Start	9.15	Rating **	M	Issue No.	158
LM End	9.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.415709 °	38.415709 °
				-121.527393 °	-121.527393 °
DWR ID	DWR_RD0999_05_f_2013_158				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner has placed bleacher on landward shoulder.					

Photo 1 of 1 : SP\_2017\_RD0999\_236\_158\_20170314\_00109.jpg



Looking northeast at bleacher stored on landward shoulder.

LM Start	9.17	Rating **	M	Issue No.	109
LM End	9.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.415495 °	38.415278 °
				-121.527217 °	-121.527005 °
DWR ID	DWR_RD0999_05_s_2012_109				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.25	Rating **	A/W	Issue No.	110
LM End	9.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.414550 °	38.413940 °
				-121.526398 °	-121.525902 °
DWR ID	DWR_RD0999_05_s _ 2012_110				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.31	Rating **	C	Issue No.	111
LM End	9.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413807 °	38.413807 °
				-121.525740 °	-121.525740 °
DWR ID	DWR_RD0999_05_s _ 2012_111				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus on landside slope.					

No Photos

LM Start	9.32	Rating **	M	Issue No.	112
LM End	9.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.413673 °	38.413412 °
				-121.525558 °	-121.525190 °
DWR ID	DWR_RD0999_05_s _ 2012_112				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side    N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.39	Rating **	M	Issue No.	114
LM End	9.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413377 °	38.413377 °
				-121.524500 °	-121.524500 °
DWR ID	DWR_RD0999_05_s _ 2012_114				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	9.39	Rating **	M	Issue No.	227
LM End	9.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413370 °	38.413370 °
				-121.524387 °	-121.524387 °
DWR ID	DWR_RD0999_05_s _ 2017_227				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Discard fallen tree on landward shoulder.					

No Photos

LM Start	9.42	Rating **	M	Issue No.	125
LM End	9.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.413522 °	38.413522 °
				-121.524018 °	-121.524018 °
DWR ID	DWR_RD0999_05_s _ 2012_125				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side    N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0999 Netherlands**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.48	03/22/2017 03/23/2017	Richard Willoughby

LM Start	9.44	Rating **	M	Issue No.	145
LM End	9.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.413755 °	38.413755 °
				-121.523723 °	-121.523723 °
DWR ID	DWR_RD0999_05_s_2013_145				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood stockpile at landward toe next to ramp.					

Photo 1 of 2 : SP\_2017\_RD0999\_236\_145\_20170314\_00095.jpg



Looking north at firewood piled at landside toe.

LM Start	<b>9.44</b>	Rating **	M	Issue No.	<b>145 (cont)</b>
LM End	<b>9.44</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2017\_RD0999\_236\_145\_20170314\_00096.jpg



Looking northwest at firewood at landward toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement